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STS OPS FLIGHT PRD, VOLUME I PRD/PSP/OR/OD

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STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 1031 - INDEX

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06

SECTION	TITLE
1000	ADMINISTRATIVE
1031	INDEX
1050	ABBREVIATIONS/ACRONYMS
1051	TEST CODE DEFINITION
1052	SPECIAL CODE DEFINITION
1060	KEY TECHNICAL PERSONNEL
1070	TECHNICAL REFERENCES
1100	PROGRAM DESCRIPTION
1400	TEST VEHICLE INSTRUMENTATION SYSTEMS
1405	TEST VEHICLE INSTRUMENTATION FREQUENCY SUMMARY
1410	TEST VEHICLE METRIC SYSTEMS DESCRIPTION
1420	TEST VEHICLE TELEMETRY SYSTEM DESCRIPTION
1430	TEST VEHICLE COMMAND SYSTEM DESCRIPTION
1480	OTHER TEST VEHICLE SYSTEMS
2000	TEST REQUIREMENTS/SUPPORT PLANS
2010	SUPPORT PLAN SUMMARY
2100	METRIC DATA
2200	TELEMETRY DATA
2300	COMMAND SYSTEMS
2413	VISUAL COUNTDOWN
2600	OTHER SYSTEMS
2700	COMMUNICATION
2710	AIR/GROUND VOICE COMMUNICATIONS
2730	VOICE NETWORK TRANSMISSION
2732	TELETYPE NETWORK TRANSMISSION
2734	VIDEO/DATA NETWORK TRANSMISSION
2750	VOICE TERMINATIONS
2752	POINT-TO-POINT TERMINATIONS
2753	TELETYPE TERMINATIONS
2755	VIDEO/DATA TERMINATIONS
2757	MISCELLANEOUS TERMINATIONS
2760	COMMUNICATIONS RECORDINGS
2770	TELEPHONE
2780	OTHER COMMUNICATIONS
2800	VIDEO
2823	VIDEO RECORDINGS
3020	REAL TIME DISPLAYS
3200	METEOROLOGY
3250	SPACE ENVIRONMENT METEOROLOGY
3300	RECOVERY

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 1031 - INDEX

RUN DATE: 09/11/06 PUBLICATION DATE: 10/11/90 REVISION: 0000 ______

	CONTINUED
[PRD] DATABASE	E RECORD:
ITEM NUMBER:	N/A
3340	RECOVERY - PLANNED AREAS
3350	RECOVERY - CONTINGENCY AREAS
3360	RECOVERY - ABORT AREAS
3410	OTHER TECHNICAL SUPPORT - AIRCRAFT
3421	PROTECTIONS FROM EMITTING SYSTEMS
3440	OTHER TECHNICAL SUPPORT - TRAINING
4100	DATA PROCESSING SPECIFICATIONS
4200	DATA DISPOSITION
4230	DATA DISPOSITION - DETAIL - METRIC
4231	DATA DISPOSITION - DETAIL - TELEMETRY
4235	DATA DISPOSITION - DETAIL - COMPUTER PROCESSING
4236	DATA DISPOSITION - DETAIL - MISCELLANEOUS
5200	TRANSPORTATION
5300	SERVICES
5314	SERVICES - SECURITY AND SAFETY
5320	SERVICES - UTILITIES (ELECTRIC, WATER, AND SANITATION)
5351	SERVICES - GROUND HANDLING EQUIPMENT

FLS1031.002

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SECTION 1060 - KEY TECHNICAL PERSONNEL

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06

[PRD] DATABASE RECORD: 20915 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 11/22/05

INITIAL DATE: 02/23/90

ITEM NUMBER: DATE LAST CHANGED: 11/22/05 TIME LAST CHANGED: 10:33:02 SECTION: 1060

REQUESTER: MSFC INFO TEST CODE:

F002-4 F007-1 F01-03-1 F05-11-2 TRACKING NO.

1. NAME: PHILIP CAUTHEN (R&R MANAGER)

2. ORGANIZATION: EO60
3. TITLE/OFFICE: FLIGHT PROJECTS DIRECTORATE

4. BUSINESS ADDR: Marshall Space Flight Center, Alabama 35812

5. TELEPHONE NO.: (256) 544-4204 6. FACSIMILE: (256) 544-2107

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2000 - TEST REQUIREMENTS/SUPPORT PLANS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06

______ [PRD] DATABASE RECORD: 530426 REQUIREMENT STATUS: APPROVED

DOCUMENT ID: FLT-I APPROVAL DATE: 06/13/95 INITIAL DATE: 06/13/95 ITEM NUMBER: HT49G DATE LAST CHANGED: 11/19/02

TIME LAST CHANGED: 15:53:26 SECTION: 2000

MSFC
LATROT STSALL
F506-4 REQUESTER: JSC TEST CODE:

TRACKING NO.

1. DESCRIPTION: SN UPS/DOM REQUIREMENTS

The SN is required to have the capability of transmitting UPD/DQM information in 4800 bit NASCOM blocks of non-secure data receive for all forward and return links to the MCC, and HOSC. The UPD/DQM is a once per 5 second message (per vehicle) containing forward and return links status of the WSC.

Reference JSC/GSFC ICD JSC No. 11534 for details and related information.

SUPPLIER: GSFC AGENCY: GSFC/451 (GODDARD SPACE FLIGHT CENTER

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 06/20/95

______ PAGE SEQUENCE NUMBER: 4 FLS2000.001 REF UDS R G/A

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2100 - METRIC DATA

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06

[PRD] DATABASE RECORD: 380518 REQUIREMENT STATUS: APPROVED

DOCUMENT ID: FLT-I APPROVAL DATE: 05/24/94
INITIAL DATE: 03/25/88
ITEM NUMBER: H71E DATE LAST CHANGED: 05/06/05

ITEM NUMBER: H71E DATE LAST CHANGED: 05/06/05 SECTION: 2100 TIME LAST CHANGED: 10:29:28

REQUESTER: MSFC SUBREQUESTER: ER

TEST CODE: ER LAUNCH STSALL

TRACKING NO. F008-1 F405-5

1. DESCRIPTION: SRB/C-BAND REQUIREMENTS

MSFC requires land based radar to track SRBs from SRB/ET separation to LOS. See 2100, T72E, DBR 382230.

SUPPLIER: ER AGENCY: 1 ROPS/DOU (45TH SPACE WING)

SUBSUPPLIER: ER

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 08/10/94

FLS2100.001 PAGE SEQUENCE NUMBER: 5 REF UDS R G/A

STS OPS FLIGHT PRD, VOLUME I PROGRAM REOUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2200 - TELEMETRY DATA

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06 ______

[PRD] DATABASE RECORD: 8402 REQUIREMENT STATUS: APPROVED

DOCUMENT ID: FLT-I APPROVAL DATE: 11/28/01 INITIAL DATE: 01/12/87

ITEM NUMBER: H1.5GT SECTION: 2200 DATE LAST CHANGED: 11/22/02 TIME LAST CHANGED: 11:49:22

REQUESTER: MSFC
SUBREQUESTER: MDRC
TEST CODE: ALPHSE LAUNCH MSYSEN STSALL

F007-1 F109-7 F111-1 F402-1 F507-4 TRACKING NO.

> F702-1 F801-2

1. DESCRIPTION: MSFC RT OD TLM REQUIREMENT

MSFC requires all available real-time OD data, provided by JSC output via GSFC from Launch -24 hours to Landing.

SUPPLIER: GSFC AGENCY: GSFC/451 (GODDARD SPACE FLIGHT CENTER)
SUBSUPPLIER: GSFC450.3 MIL WLP

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 12/20/01

SUPPLIER: JSC AGENCY: JSC/DV (JOHNSON SPACE CENTER

SUPPLIER COMMITMENT: WILCO SEE RESPONSE RESPONSE DATE: 11/28/01

RESPONSE: If Payload Contingency Communications (PCC) is required

for classified payloads; JSC will inhibit the OD output (TLM & Voice) to all external centers. Upon completion of the PCC, centers may request a playback of the telemetry

data.

[PRD] DATABASE RECORD: 388727 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-IAPPROVAL DATE: 11/04/02 INITIAL DATE: 05/10/91

H4GT ITEM NUMBER: DATE LAST CHANGED: 03/21/03 TIME LAST CHANGED: 14:00:09 SECTION: 2200

REOUESTER:

MSFC LAUNCH STSALL TEST CODE:

______ PAGE SEQUENCE NUMBER: 6 REF UDS R G/A FLS2200.001

STS OPS FLIGHT PRD, VOLUME I PROGRAM REOUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2200 - TELEMETRY DATA

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06 ______

CONTINUED

[PRD] DATABASE RECORD: 388727

ITEM NUMBER: H4GT

TRACKING NO. F02-11-1 F105-7 F505-1 MS039

1. DESCRIPTION: GN/SN SSME DUMP OPS1 RECORDER #1/SSR #2 SSME PLAYBACK

MSFC requires OPS Recorder #1 or SSR #2 to record SSME 60 KBPS data for the time period T -330 seconds through MECO +600 seconds for subsequent dump to GN and playback to MSFC. Playback to MSFC should be all engines in a forward direction in NASCOM format at a 2:1 rate. The dumps and playback should be performed as early in the mission as possible. JSC is requested to retain this data on the onboard recorder/SSR until MSFC has validated the data. MSFC will process the data in near real-time and advise JSC within 1 hour of receipt of valid data.

SUPPLIER: GSFC AGENCY: GSFC/451 (GODDARD SPACE FLIGHT CENTER)
SUBSUPPLIER: DSN GSFC/530 MIL

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 03/18/03

AGENCY: JSC/DV (JOHNSON SPACE CENTER SUPPLIER: JSC

SUBSUPPLIER: USH-443C

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 11/04/02

[PRD] DATABASE RECORD: 376761 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 08/20/02 INITIAL DATE: 01/30/91 ITEM NUMBER: HK23GKST DATE LAST CHANGED: 07/13/05 TIME LAST CHANGED: 10:52:58 2200 SECTION:

F908-2

1. DESCRIPTION: KSC/MSFC REALTIME TELEMETRY

KSC and MSFC require real time downlink OD PCM telemetry data from JSC.

______ PAGE SEQUENCE NUMBER: 7 REF UDS R G/A FLS2200.002

STS OPS FLIGHT PRD, VOLUME I PROGRAM REOUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2200 - TELEMETRY DATA

RUN DATE: 09/11/06 PUBLICATION DATE: 10/11/90 REVISION: 0000 ______

CONTINUED

[PRD] DATABASE RECORD: 376761 ITEM NUMBER: HK23GKST

This data will be received at JSC from GN/SN/RTS supporting the mission. JSC will remote the data via NISN, to KSC via MILA and to

MIL is required to receive and serialize these data (HDR telemetry 192Kbps; or LDR telemetry, 96 Kbps, as received) for input to the LPS for all missions. Data will be displayed in real time on the LCC Control

Room consoles.

KSC Contacts: Jose Amador/UB-E1 321 867-3945

Debbie Awtonomow/PH-M2 321 861-3972 Dick Hartung/KSC/LPS/ 321 861-6572

MSFC Contacts: Gary Dempsey/UMS/NTI 256 544-5113

SUPPLIER: GSFC AGENCY: GSFC/450 (GODDARD SPACE FLIGHT CENTER)
SUBSUPPLIER: GSFC1135 MIL

RESPONDER: ANTHNOY WILLIAMS 301 805-3459

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 07/12/05

RESPONSE TRACKING: Z103-1 ZGRAM0043

SUPPLIER: KSC AGENCY: KSC/FIL 2
GUBGUIDDI,IER: GSFC/450 PH-K1-A AGENCY: KSC/PH-B (KENNEDY SPACE CENTER)

SUPPLIER COMMITMENT: WILCO SEE RESPONSE RESPONSE DATE: 08/20/02

RESPONSE: S-Band PM/OI 192 and 96 Kb/s to LPS/CCMSS/CCMS data will be furnished on assigned wideband lines for use in LCC

control rooms 1, 2, or 3.

RESPONSE TRACKING: ZR3501 ZR3901 ZR3902 ZR8902 ZR9901

SUPPLIER: SMC DET 12 AGENCY: SMC DET 12 ()

RESPONDER: ANTHONY WILLIAMS 301 805-3459

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 07/12/05

______ REF UDS R G/A

PAGE SEQUENCE NUMBER: 8 FLS2200.003 CLASSIFICATION UNCLASSIFIED

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2200 - TELEMETRY DATA

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06 ______

CONTINUED

[PRD] DATABASE RECORD: 376761 ITEM NUMBER: HK23GKST

SUPPLIER: JSC AGENCY: JSC/DV (JOHNSON SPACE CENTER

RESPONSE DATE: 08/20/02 SUPPLIER COMMITMENT: WILCO

[PRD] DATABASE RECORD: 9960 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 03/28/88 INITIAL DATE: 03/28/88 H23.1K ITEM NUMBER: DATE LAST CHANGED: 07/19/02

TIME LAST CHANGED: 14:13:06 SECTION: 2200

REQUESTER: MSFC
TEST CODE: ALPHSE MIL STSALL

1. DESCRIPTION: MSFC REALTIME TELEMETRY

MSFC requires access to selected parameters via the KSC LPS Common Data Buffer for display in the HOSC. Transmission to MSFC will be via the HOSC FEP (Front End Processor) and direct KSC to MSFC circuit.

SUPPLIER: KSC AGENCY: TM-LLP-3 (B/E/G/L/M/N/R/T/U FOR KPRD-I ITEMS)

PZ-B2 SUBSUPPLIER:

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 03/28/88

RESPONSE: Selected parameters to MSFC/HOSC.

[PRD] DATABASE RECORD: 380172 REQUIREMENT STATUS: APPROVED APPROVAL DATE: 02/18/97 INITIAL DATE: 01/14/86 DOCUMENT ID: FLT-I ITEM NUMBER: H24G DATE LAST CHANGED: 07/03/02 SECTION: 2200 TIME LAST CHANGED: 08:04:59

REQUESTER: MSFC SUBREQUESTER: F702-3

TEST CODE: LAUNCH STSALL

1. DESCRIPTION: SSME R/T DOWNLINKED DATA

STS OPS FLIGHT PRD, VOLUME I PROGRAM REOUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2200 - TELEMETRY DATA

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06 ______

CONTINUED

[PRD] DATABASE RECORD: 380172

ITEM NUMBER: H24G

MSFC requires SSME data recorded during Ascent from the SSO S-Band FM link to Mila LOS.

SUPPLIER: GSFC AGENCY: GSFC/450 (GODDARD SPACE FLIGHT CENTER)

GSFC/530 MIL SUBSUPPLIER:

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 02/18/97

[PRD] DATABASE RECORD: 382075 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 08/21/03 02/07/90 INITIAL DATE:

ITEM NUMBER: HK25G SECTION: 2200 DATE LAST CHANGED: 04/21/04 TIME LAST CHANGED: 11:45:48

REQUESTER: MSFC KSC

SUBREQUESTER: I-PK-E3 ROC-OSB RPS/USK-669
TEST CODE: DATADS LATROT MIL MIL STSALL

F03-08-3 F04-04-1 F303-4 F408-4 F903-4 TRACKING NO.

MS164 RSRR5503

1. DESCRIPTION: SSME ONBOARD RECORDED DATA

All SSME data that is recorded onboard the SSO is required to be downlinked ASAP. This data downlinked via the SSO S-band FM link is to be recorded at the receiving GN stations. SSME data will be played back to KSC upon request. SSME dumps will be played back to MSFC ASAP on a routine basis.

NOTE: MIL and PDL to retain recorded SSME data on station for 21 days and during that time will be available for playback. Playbacks will be scheduled through the WSC Scheduling Office. After 21 days SSME tapes may be degaussed. Requests for data to be held beyond 21 days will be directed to the GSFC STDN Mission Manager (SMM) or Network Operations Manager (NOM).

TECHNICAL CONTACT: WSC Operations Supervisor (OS)(505) 527-7157

SUPPLIER: GSFC AGENCY: GSFC/451 (GODDARD SPACE FLIGHT CENTER)

______ PAGE SEQUENCE NUMBER: 10

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2200 - TELEMETRY DATA

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06 ______

CONTINUED

[PRD] DATABASE RECORD: 382075

ITEM NUMBER: HK25G

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 08/27/03

RESPONSE: Shipment of tape within 12 hours is dependent on air freight

schedules.

[PRD] DATABASE RECORD: 254153 REQUIREMENT STATUS: APPROVED APPROVAL DATE: 08/21/03 DOCUMENT ID: FLT-I INITIAL DATE: 07/02/91 K28GHKT ITEM NUMBER: DATE LAST CHANGED: 08/11/06 SECTION: 2200 TIME LAST CHANGED: 09:09:06

REQUESTER: KSC
SUBREQUESTER: I-PK-E ROC-OSB
TEST CODE: DATADS EORBIT LAUNCH STSALL

F02-11-1 F03-04-1 F03-08-3 F04-04-1 F107-2 F108-4 F109-8 F303-4 F306-1 F306-1A F403-6 F607-1 F805-1 F904-6 FSRR4301 TRACKING NO. FSRR4402 FSRR5702 RSRR113-1 RSRR5503 RSRR9101

1. DESCRIPTION: ASCENT DUMPED DATA - KSC

KSC requires the data from the orbiter SSR 2 (SSME data from T-5 thru T+15 minutes) and SSR 1 (OI data from T-5 thru T+42 minutes).

Preferred method for obtaining SSR 2 (SSME DATA) is for GSFC/MILA to extend the real time SSR post ascent dump to KSC/RPS. Call RPS Test Conductor, 321 861-6212/861-0830 or RPS COORD (OIS 238), before expected in-flight dump to TRDSS. JSC/DFE is to notify WSC OPS GSFC COMM Manager and MILA OPSR of the start time and parameters.

If SSR 2 real-time dump not received, or unusable, a playback of SSR 2 dump (not merged) data will be requested from MSFC.

Preferred method for obtaining SSR 1 (OI data) is for MSFC to provide KSC/RPS a playback of the SSR 1 (not merged) dump data. Coordinate the playback on GN Coord.

______ PAGE SEQUENCE NUMBER: 11

STS OPS FLIGHT PRD, VOLUME I PROGRAM REOUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2200 - TELEMETRY DATA

RUN DATE: 09/11/06 PUBLICATION DATE: 10/11/90 REVISION: 0000 ______

CONTINUED

[PRD] DATABASE RECORD: 254153 ITEM NUMBER: K28GHKT

Technical Contacts: KSC/RPS/Renee Hart (321) 861-0988

GSFC/MIL Operations Support/(321) 867-3518

MSFC/Gary Dempsey/(256) 544-5113

JSC/DFE/(281)483-2411

NOTE: If playback is unsuccessful, provide tape copy to:

KSC/USK-669/RPS/(321) 861-6212

REF: ITEM KHTY51.1K SECTION 2750 DBR 234166 ITEM T4.1KT SECTION 2750 DBR 295559

AGENCY: GSFC/451 (GODDARD SPACE FLIGHT CENTER) SUPPLIER: GSFC

GSFC/109 GSFC/155 GSFC/341 GSFC739 SUBSUPPLIER: GSFC/340

RESPONDER: JOSEPH FANNELLI/DF

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 08/27/03

AGENCY: MSFC/E060 (MARSHALL SPACE FLIGHT CENTER) SUPPLIER: MSFC

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 08/22/03

RESPONSE TRACKING: FSRR090 MS180 RSRR146 RSRR158

AGENCY: KSC/PH-B (KENNEDY SPACE CENTER I-PH-K1-A RPS USK-610 SUPPLIER: KSC)

SUBSUPPLIER:

USK-669

RESPONSE DATE: 08/21/03 SUPPLIER COMMITMENT: WILCO

RESPONSE TRACKING: ZF113-1 ZFR4301 ZFR5701 ZFR8304 ZFR9101

SUPPLIER: JSC AGENCY: JSC/DV (JOHNSON SPACE CENTER)

RESPONSE DATE: 08/21/03 SUPPLIER COMMITMENT: WILCO

PAGE SEQUENCE NUMBER: 12 REF UDS R G/A FLS2200.007 CLASSIFICATION UNCLASSIFIED

STS OPS FLIGHT PRD, VOLUME I PROGRAM REOUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2200 - TELEMETRY DATA

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06

[PRD] DATABASE RECORD: 234662 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 05/15/95 INITIAL DATE: 05/10/91

ITEM NUMBER: GHT38G 2200 DATE LAST CHANGED: 04/21/04 TIME LAST CHANGED: 11:55:59 SECTION:

REQUESTER: GSFC MSFC
TEST CODE: EORBIT STSALL
TRACKING NO. F04-04-1 F105-7 F505-1 JSC

1. DESCRIPTION: SN KU-BAND CHANNEL 2 REQUIREMENTS

The SN is required to have the capability to remote Ku-band Channel 2 data to MCC, GSFC, and MSFC via the Closed IONET circuit. In addition to Orbiter OD Dumps, data will include payload R/T or dump data.

SUPPLIER: GSFC AGENCY: GSFC/450 (GODDARD SPACE FLIGHT CENTER)

SUPPLIER: GSFC AGENCY: SUBSUPPLIER: GSFC/534

RESPONSE DATE: 05/19/95 SUPPLIER COMMITMENT: WILCO

[PRD] DATABASE RECORD: 237506 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 05/15/95 INITIAL DATE: 05/10/91

GHT39G DATE LAST CHANGED: 04/21/04 ITEM NUMBER: TIME LAST CHANGED: 11:58:24 SECTION: 2200

REQUESTER: GSFC MSFC
TEST CODE: EORBIT STSALL
TRACKING NO. F04-04-1 F105-7 F505-1 JSC

1. DESCRIPTION: SN KU-BAND CHANNEL 3 REQUIREMENTS

The SN is required to have the capability to remote Ku-band Channel 3 data to MCC, GSFC, and MSFC. Channel 3 bit rates within the bandwidth of the Closed IONET circuitry may be remoted. Channel 3 bit rates exceeding the Closed IONET circuitry bandwidth will be transmitted to MCC via the statistical mux.

SUPPLIER: GSFC AGENCY: GSFC/451 (GSBSUPPLIER: GSFC/530/534 GSFC/540 AGENCY: GSFC/451 (GODDARD SPACE FLIGHT CENTER)

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 05/19/95

______ PAGE SEQUENCE NUMBER: 13 REF UDS R G/A FLS2200.008

CLASSIFICATION UNCLASSIFIED

STS OPS FLIGHT PRD, VOLUME I PROGRAM REOUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2200 - TELEMETRY DATA

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06

CONTINUED

[PRD] DATABASE RECORD: 237506

ITEM NUMBER: GHT39G

[PRD] DATABASE RECORD: 241151 REQUIREMENT STATUS: APPROVED APPROVAL DATE: 11/04/02 INITIAL DATE: 03/28/88 DOCUMENT ID: FLT-I DATE LAST CHANGED: 03/01/06 ITEM NUMBER: H41GT TIME LAST CHANGED: 11:41:06 SECTION: 2200

MSFC REQUESTER:

TEST CODE: STSALL LAEORB

TRACKING NO. F02-11-1

1. DESCRIPTION: SN SSME DUMP SUPPORT REQUIREMENTS

The SN is required to receive, record and remote the following data, as applicable to MSFC. Remoting the data will be direct to MSFC via GSFC:

1. MSFC requires an #1/SSR #2 SSME dump at 960 Kb/s SSME dump at 960 Kb/s thru TDRS with direct relay to MSFC via GSFC. JSC is requested to retain data on the SSO onboard #1/SSR #2/SSR until MSFC has validated data. MSFC will process the data in near real time and advise JSC (within one hour) of receipt of valid data. Pre-launch testing of data circuits for this requirement and data transmission is required. SSME dump data relayed to MSFC should be recorded at WSC with the tape being retained for 24 hours and degaussed if P/B is not required.

SUPPLIER: GSFC AGENCY: GSFC SUBSUPPLIER: GSFC/WSC/534 AGENCY: GSFC/451 (GODDARD SPACE FLIGHT CENTER)

RESPONSE DATE: 03/18/03 SUPPLIER COMMITMENT: WILCO

AGENCY: JSC/DV (JOHNSON SPACE CENTER SUPPLIER: JSC)

USH-443N SUBSUPPLIER:

SUPPLIER COMMITMENT: WILCO SEE RESPONSE RESPONSE DATE: 11/04/02

RESPONSE: JSC cannot guarantee that the #1/SSR #2 SSME

dumps will always occur via TDRS. JSC will retain the option to dump SSME data to GN (MIL) as covered is

______ PAGE SEQUENCE NUMBER: 14 REF UDS R G/A

STS OPS FLIGHT PRD, VOLUME I PROGRAM REOUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2200 - TELEMETRY DATA

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06 ______

CONTINUED

[PRD] DATABASE RECORD: 241151

ITEM NUMBER: H41GT

Section 2200, Item H4G DBR 388727 and T29G DBR 392095.

[PRD] DATABASE RECORD: 242615 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 02/02/04 INITIAL DATE: 02/07/90 H43GT ITEM NUMBER: DATE LAST CHANGED: 03/01/06 TIME LAST CHANGED: 11:41:45 SECTION: 2200

MSFC REOUESTER:

TEST CODE: DATADS LAUNCH STSALL
TRACKING NO. F02-11-1 F04-01-2 F04-02-1 F702-1 F903-4

1. DESCRIPTION: SSR #1 DUMP TO MSFC

MSFC requires that the ascent phase OD through MET of 60 minutes from the OD SSR will be dumped to the ground and recorded. The data shall be played back to MSFC via the JSC/MSFC Playback OD back-feed/GSFC Closed IONET interface as soon as possible after the dump is completed.

In the event that the ascent OD data is dumped via TDRSS, the data should be received at MSFC in real-time.

JSC will be the source of all OD SSR dump playbacks to MSFC.

SUPPLIER: GSFC AGENCY: GSFC/451 (GODDARD SPACE FLIGHT CENTER

SUBSUPPLIER: DSN GSFC/534 GSFC/562

 MIL

RESPONSE DATE: 07/23/04 SUPPLIER COMMITMENT: WILCO

SUPPLIER: JSC AGENCY: JSC/DV (JOHNSON SPACE CENTER

SUBSUPPLIER: USH-443C

RESPONSE DATE: 02/02/04 SUPPLIER COMMITMENT: WILCO ______

PAGE SEQUENCE NUMBER: 15 REF UDS R G/A FLS2200.010

CLASSIFICATION UNCLASSIFIED

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2200 - TELEMETRY DATA

RUN DATE: 09/11/06 PUBLICATION DATE: 10/11/90 REVISION: 0000 ______ [PRD] DATABASE RECORD: 525304 REQUIREMENT STATUS: APPROVED

DOCUMENT ID: FLT-I APPROVAL DATE: 11/28/01 INITIAL DATE: 12/13/93

ITEM NUMBER: H54GT SECTION: 2200 DATE LAST CHANGED: 11/19/02 TIME LAST CHANGED: 15:53:26

REQUESTER: MSFC SUBREQUESTER: MDRC

TEST CODE:

ALPHSE MSYSEN STSALL F007-1 F01-08-2 F111-1 F402-1A FF312-2 TRACKING NO.

1. DESCRIPTION: MSFC OD Dump Playback

MSFC requires playback of all OD dump data from Launch to Landing.

NOTE: Flight PRD Vol. II Annexes will take precedence over this

requirement.

SUPPLIER: GSFC AGENCY: GSFC/451 (GODDARD SPACE FLIGHT CENTER)

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 12/20/01

SUPPLIER: JSC AGENCY: JSC/DV (JOHNSON SPACE CENTER

SUPPLIER COMMITMENT: WILCO SEE RESPONSE RESPONSE DATE: 11/28/01

RESPONSE: JSC will provide OD playback data on a best effort/non

interference bases.

STS OPS FLIGHT PRD, VOLUME I PROGRAM REOUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2700 - COMMUNICATION

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06

______ [PRD] DATABASE RECORD: 348378

REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 03/24/05

INITIAL DATE: 11/13/91 ITEM NUMBER: HT19G DATE LAST CHANGED: 06/07/05 TIME LAST CHANGED: 09:41:34 2700 SECTION:

REQUESTER: MSFC J
SUBREQUESTER: JSC/MT3 TVPLAN
FORBIT STSALL JSC

F05-03-6 F110-3 F111-2 F204-3 TRACKING NO.

1. DESCRIPTION: TDRSS TELEVISION REQUIREMENTS

The WSC and GRCT are required to receive, record and remote Orbiter real-time or playback down-linked TV to MCC. A full - transponder TV transmission circuit between the WSC and MCC is required.

SUPPLIER: GSFC AGENCY: GSFC/451 (GODDARD SPACE FLIGHT CENTER)

RESPONDER: ANTHONY WILLIAMS

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 04/05/05

RESPONSE TRACKING: GSFC 006

[PRD] DATABASE RECORD: 349835 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-IAPPROVAL DATE: 05/15/95 INITIAL DATE: 01/26/90 ITEM NUMBER: HT20G DATE LAST CHANGED: 11/19/02 2700 TIME LAST CHANGED: 15:53:26 SECTION:

REQUESTER: MSFC
TEST CODE: EORBIT STSALL
TRACKING NO. F505-2 JSC

1. DESCRIPTION: TDRSS DATA COMMUNICATIONS REQUIREMENTS

The WSC is required to have the capability of remoting Ku-band Channel 2, up to 2 MBS and channel 3 data, up to 48 MBS, to MCC and MSFC via a DOMSAT channel.

SUPPLIER: GSFC AGENCY: GSFC/451 (GODDARD SPACE FLIGHT CENTER

RESPONSE DATE: 09/05/95 SUPPLIER COMMITMENT: WILCO ______

FLS2700.001 PAGE SEOUENCE NUMBER: 17 REF UDS R G/A CLASSIFICATION UNCLASSIFIED

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2700 - COMMUNICATION

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06

[PRD] DATABASE RECORD: 349767 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 03/30/98

INITIAL DATE: 09/21/89 ITEM NUMBER: GHT24G DATE LAST CHANGED: 11/19/02 TIME LAST CHANGED: 15:53:26 SECTION: 2700

REQUESTER: MSFC JSC

GSFC M
ALPHSE STSALL
F204-3 F803-5 TEST CODE: TRACKING NO.

1. DESCRIPTION: JSC AND MSFC STAT MUX

JSC and MSFC require a Statistical Multiplexer system to operate on the 50 MBPS WSC to MSFC and JSC full transponder circuit.

SUPPLIER: GSFC AGENCY: GSFC/451 (GODDARD SPACE FLIGHT CENTER

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 03/30/98 ______

______ PAGE SEQUENCE NUMBER: 18

STS OPS FLIGHT PRD, VOLUME I
PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/
OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD)
PROGRAM NUMBER: 20000

SECTION 2710 - AIR/GROUND VOICE COMMUNICATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06

[PRD] DATABASE RECORD: 580377 REQUIREMENT STATUS: APPROVED

DOCUMENT ID: FLT-I APPROVAL DATE: 03/21/05

INITIAL DATE: 03/16/05
ITEM NUMBER: T25GHKSTX DATE LAST CHANGED: 08/11/06

SECTION: 2710 TIME LAST CHANGED: 09:27:56

REQUESTER: JSC
TEST CODE: ALPHSE
TRACKING NO. F05-03-4

1. DESCRIPTION: PRIVATE AIR TO GROUND

Air-to-Ground (SSP) audio that has been designated "Private" by SSP Flight Surgeons, Crew or Program Management, must be protected from release in any form without proper authorization by all program elements involved in the transmission and recording of data and/or voice containing the Private Audio.

The Houston Comm Tech will alert all Network Support Stations of the designated time for the Private Audio event. All other Centers with the capability of demodulating Uplink or Downlink voice from a data tape must contact Houston Comm Tech to verify that any requested playbacks or recordings of Air-to-Ground from the tape do not contain Private Audio.

These restrictions only apply to mission data tapes, there is no Private Audio associated with tests and other non-mission related tapes.

Point of Contact: Houston Comm Tech/281 483-3291 or 3292.

REF: ITEM T57K SECTION 2200 DBR 581237

SUPPLIER: GSFC AGENCY: GSFC/451 (GODDARD SPACE FLIGHT CENTER)

SUBSUPPLIER: MILA WLPS WSC

RESPONDER: ANTHONY WILLIAMS

SUPPLIER COMMITMENT: WILCO SEE RESPONSE RESPONSE DATE: 07/20/05

RESPONSE: Data from RTS will be supplied via existing OAS

interfaces, until such time that Schriever/RTS data interface is established. Pending implementation of

NSR 31752.

RESPONSE TRACKING: ZGRAM0043

FLS2710.001 PAGE SEQUENCE NUMBER: 19 REF UDS R G/A

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2710 - AIR/GROUND VOICE COMMUNICATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06

CONTINUED

[PRD] DATABASE RECORD: 580377
ITEM NUMBER: T25GHKSTX

SUPPLIER: MSFC AGENCY: MSFC/E060 (MARSHALL SPACE FLIGHT CENTER)

RESPONDER: MIKE BLUM

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 04/05/05

SUPPLIER: KSC AGENCY: KSC/PH-B (KENNEDY SPACE CENTER)

SUPPLIER COMMITMENT: INFO SEE RESPONSE RESPONSE DATE: 03/21/05

RESPONSE: KSC'S response will be found in Section 2200

DBR 581237 ITEM T57K.

SUPPLIER: SMC DET 12 AGENCY: SMC DET 12 ()

RESPONDER: ANTHONY WILLIAMS 301 805-3459

SUPPLIER COMMITMENT: WILCO SEE RESPONSE RESPONSE DATE: 07/20/05

RESPONSE: Data from RTS will be supplied via existing OAS

interfaces, until such time that Schriever/RTS data interface is established. Pending implementation of

NSR 31752.

SUPPLIER: JSC AGENCY: JSC/DV (JOHNSON SPACE CENTER)

RESPONDER: BILL FROSTER

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 03/21/05

SUPPLIER: DFRC AGENCY: DFRC/OS (DRYDEN FLIGHT RESEARCH CENTER)

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 06/02/05

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2730 - VOICE NETWORK TRANSMISSION

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06

[PRD] DATABASE RECORD: 266278 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 09/27/02

INITIAL DATE: 03/29/88

H7G ITEM NUMBER: DATE LAST CHANGED: 01/20/04 TIME LAST CHANGED: 10:21:29 SECTION: 2730

MSFC REQUESTER:

ALPHSE F02-09-5 STSALL TEST CODE:

TRACKING NO.

1. DESCRIPTION: VOICE LINES

Provide the following voice service as outlined below:

TYPE OF

REF SERVICE FROM TO REMARKS -----------------

DUPLEX GSFC MSFC н7

4 CKTS

SUPPLIER: GSFC AGENCY: GSFC/451 (GODDARD SPACE FLIGHT CENTER)

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 12/16/03

[PRD] DATABASE RECORD: 272846 REQUIREMENT STATUS: APPROVED

DOCUMENT ID: FLT-IAPPROVAL DATE: 09/27/02 INITIAL DATE: 10/28/87

ITEM NUMBER: H8GT DATE LAST CHANGED: 01/20/04

TIME LAST CHANGED: 10:22:01 SECTION: 2730

REQUESTER: MSFC
SUBREQUESTER: JSC/MT3
TEST CODE: ALPHSE

STSALL TVPLAN

TRACKING NO. F02-09-5

1. DESCRIPTION: VOICE LINES

Provide the following voice service as outlined below:

TYPES OF

MSFC TO REF SERVICE FROM REMARKS ----

T1 DUPLEX MSFC JSC

4 CKTS

STS OPS FLIGHT PRD, VOLUME I PROGRAM REOUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2730 - VOICE NETWORK TRANSMISSION

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06 ______

CONTINUED

[PRD] DATABASE RECORD: 272846

ITEM NUMBER: H8GT

Т2 DUPLEX JSC MSFC

19 CKTS

SUPPLIER: GSFC AGENCY: GSFC/451 (GODDARD SPACE FLIGHT CENTER)

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 12/06/03

SUPPLIER: JSC AGENCY: JSC/DV (JOHNSON SPACE CENTER

RESPONSE DATE: 09/27/02 SUPPLIER COMMITMENT: WILCO

[PRD] DATABASE RECORD: 581078 REQUIREMENT STATUS: APPROVED

DOCUMENT ID: FLT-I APPROVAL DATE: 03/15/05

INITIAL DATE: 03/15/05 ITEM NUMBER: T33HKT SECTION: 2730 DATE LAST CHANGED: 08/11/06

TIME LAST CHANGED: 09:30:59

REQUESTER: SUBREQUESTER:

JSC JSC/MS2 ALPHSE TEST CODE: LAEORB PREFLT STSALL

TRACKING NO. F05-3-2

1. DESCRIPTION: SHUTTLE SYSTEMS ENGINEERING AND INTEGRATION OFFICE

Seven voice loops are needed to support SE&I between JSC, KSC and MSFC. Kennedy Space Center brings up the loops at approximately Launch -3 days, and Johnson Space Center brings up the loops at approximately Launch -30 tours. These loops will remain inter-connected for the duration of the Mission.

SUPPLIER: MSFC AGENCY: MSFC/E060 (MARSHALL SPACE FLIGHT CENTER)

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 04/14/05

SUPPLIER: KSC AGENCY: KSC/PH-B (KENNEDY SPACE CENTER

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 03/15/05

SUPPLIER: JSC AGENCY: JSC/DV (JOHNSON SPACE CENTER

______ PAGE SEQUENCE NUMBER: 22 REF UDS R 228

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2730 - VOICE NETWORK TRANSMISSION

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06

CONTINUED

[PRD] DATABASE RECORD: 581078

ITEM NUMBER: T33HKT

RESPONSE DATE: 03/15/05 SUPPLIER COMMITMENT: WILCO

______ PAGE SEQUENCE NUMBER: 23

STS OPS FLIGHT PRD, VOLUME I PROGRAM REOUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2734 - VIDEO/DATA NETWORK TRANSMISSION

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06

[PRD] DATABASE RECORD: 513735 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 07/26/04

INITIAL DATE: 11/14/91 HT26EGKX ITEM NUMBER: DATE LAST CHANGED: 08/11/06 2734 TIME LAST CHANGED: 09:33:25 SECTION:

JSC

REQUESTER: MSFC SUBREQUESTER: F111-3

EORBIT STSALL TVPLAN TEST CODE:

F03-08-2 F04-07-1 F102-3 F103-2 TRACKING NO. F111-3

F112-1 F206-10 F111-7 F206-3 F206-5

F801-2 F207-7 F802-1

1. DESCRIPTION: TELEVISION TRANSPONDER SUPPORT FOR SHUTTLE FLIGHTS

Control and scheduling of Satellite AMC-6 Transponder 5 and Transponder 9 are a function of NISN. During Shuttle flights, operational control of these transponders is delegated to Houston TV who acts on behalf of the Flight Director.

General use of these transponders is as follows:

LAUNCH

Transponder 5 - multiplexed video from KSC to support operational needs of the Marshall ICE team and the JSC MER.

Transponder 9 - support of launch coverage for Public Affairs Office (PAO) and operations as NASA Select.

ON-ORBIT:

Transponder 5 - support of Shuttle TDRSS wideband data and television downlink.

Transponder 9 - support of PAO as NASA Select. Also used for transmission of the S-Band downlinked video from MIL to JSC. JSC.

LANDING:

Transponder 5 - support of operational television requirements of the MER for post-flight documentation of Orbiter condition.

______ PAGE SEQUENCE NUMBER: 24 FLS2734.001 REF UDS R 228

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2734 - VIDEO/DATA NETWORK TRANSMISSION

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06 ______

CONTINUED

[PRD] DATABASE RECORD: 513735 ITEM NUMBER: HT26EGKX

Transponder 9 - support of operational and PAO coverage of landing from acquisition through crew egress.

TRANSPONDER AUDIO CHANNELS:

Transponder 9 - has two audio channels one for program audio and the other for timing data associated with tape replays.

Transponder 5 - has one audio channel for timing data during tape replays.

TRANSPONER UPLINK/DOWNLINK CAPABILITIES

SITE	TRANSPO	NDER 9	TRANSPO	NDER 5
	UPLINK/	DOWNLINK	UPLINK/	DOWNLINK
KSC/MILA	X	X	X	X
MSFC	X	X	X	X
JSC	X	X	X	X
GSFC	X	X		X
WSC	X	X	X	X
DFRC	X	X		X

NOTE: 1. Depending on flight real-time requirements and PAO special events, priorities and configurations may change and are to be coordinated through Houston TV and GSFC NISN. Generally, transponder 9 will be used for "public access" and will normally carry NASA Select television. Transponder 5 is designated for operational use.

REF: LLS 2734 HT33EG 514040 FLS 2700 T34G 520565

AGENCY: 1 ROPS/DOU (45TH SPACE WING SUPPLIER: ER)

SUBSUPPLIER: WR

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 05/23/05

SUPPLIER: GSFC AGENCY: GSFC/451 (GODDARD SPACE FLIGHT CENTER)

______ PAGE SEQUENCE NUMBER: 25

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2734 - VIDEO/DATA NETWORK TRANSMISSION

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06 ______

CONTINUED

[PRD] DATABASE RECORD: 513735 ITEM NUMBER: HT26EGKX

SUPPLIER COMMITMENT: WILCO SEE RESPONSE RESPONSE DATE: 07/26/04

RESPONSE: This transponder is shared with Landsat project.

AGENCY: KSC/PH-B (KENNEDY SPACE CENTER SUPPLIER: KSC

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 07/26/04

SUPPLIER: DFRC AGENCY: DFRC/OS (DRYDEN FLIGHT RESEARCH CENTER)

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 06/02/05

_____ ______

[PRD] DATABASE RECORD: 581361 REQUIREMENT STATUS: APPROVED APPROVAL DATE: 03/24/05 DOCUMENT ID: FLT-I

INITIAL DATE: 03/24/05 ITEM NUMBER: HKT41G DATE LAST CHANGED: 04/06/05 SECTION: 2734 TIME LAST CHANGED: 13:40:25

MSFC LAUNCH REQUESTER: KSC JSC

STSALL TEST CODE:

FO5-03-5 TRACKING NO.

1. DESCRIPTION: EPOCC DATA

NISN is to provide a PIP Service of 155Mbps of bandwidth allowing bursting up to 200Mbps for the transfer of EPOCC data from KSC to JSC and MSFC.

SUPPLIER: GSFC AGENCY: GSFC/451 (GODDARD SPACE FLIGHT CENTER

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 04/06/05 ______

STS OPS FLIGHT PRD, VOLUME I PROGRAM REOUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06

[PRD] DATABASE RECORD: 290507 REQUIREMENT STATUS: APPROVED

DOCUMENT ID: FLT-I APPROVAL DATE: 10/20/03 INITIAL DATE: 01/17/90

ITEM NUMBER: DGHT12.1T DATE LAST CHANGED: 10/20/03 TIME LAST CHANGED: 12:28:30 SECTION: 2750

DDMS REQUESTER: GSFC MSFC

JSC

CKT12 DDMS EAFB ER LATROT STSALL WSSH TEST CODE: CKT12

F02-06-2 F03-05-1 F03-10-2 F203-8 F209-6 TRACKING NO.

F804-1

1. DESCRIPTION: FLIGHT DIRECTOR (FD)

RESPONSIBLE AGENCY: JSC

REF TEST CODE CAP NOTE TERMINATION LOCATION _____ MCC for distribution Т1 Т Т 1,2 Extend to KSC Т2 G3 M Extend to GSFC H4M Extend to MSFC T5 M 1,2 Extend to DFRC

NOTE: 1. This loop also contained in L&L PRD.

REF: GTK79.1T LLS 2750 DBR 283982

2. Configure for talk at Launch and Landing.

AGENCY: JSC/DV (JOHNSON SPACE CENTER SUPPLIER: JSC

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 10/20/03

[PRD] DATABASE RECORD: 388962 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I

APPROVAL DATE: 05/24/02 INITIAL DATE: 09/26/91

ITEM NUMBER: DEHKT12.6K DATE LAST CHANGED: 11/12/02 TIME LAST CHANGED: 14:38:14 SECTION: 2750

REQUESTER: DDMS ER MSFC

> JSC KSC

PK-D2 SUBREQUESTER:

TEST CODE: CKT12 EMCC ER LATROT

STSALL

F02-06-2 F109-6 F110-1 F208-3 F302-8 TRACKING NO.

RSRR5502

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06 ______

CONTINUED

[PRD] DATABASE RECORD: 388962 ITEM NUMBER: DEHKT12.6K

1. DESCRIPTION: FLIGHT DIRECTOR (FD)

RESPONSIBLE AGENCY: KSC

			TERMINATION LOCATION	
 T1			CDSC for distribution	
E2	T	1	CDSC extend to CCAFS X-Y Bldg.	
			LCC1/3	
Т3	Т		LAUNCH DIRECTOR, CON AA5	
Т4	T		NASA TEST DIRECTOR, CON AB5	
Т5	T		LANDING/RECOVERY DIRECTOR, CON AB8	
K5.1	M	2	INTEG, CONS 0155/0655 A1,A2,A3 & A7	
K5.2	M	2	BACKUP, CONS 0156/0656 A1, A2, A3 & A7	
K5.3	M	3	CONSOLE AA1	
			LCC1/3 OSR	
T6	M		DD, SS OPS, CON A4	
T7	M		FCOD, CON A6	
T8			,	
Т9	M		JSC POSITION, CON A7	
			LCC1/3 OMR	
K10	M		KSC DIRECTOR, CON A5	
H11	M		MSFC DIRECTOR, CON A6	
D12	M		DDMS, CON A9 & A10	
	••		BBIIS (CON 115 & 1110	
			LCC2	
K13	M	2	INTEG CONS 0231/1455 A1,A2 & A3	
K14	M	2	BACKUP CONS 0232/1456 A1,A2 & A3	

NOTE: 1. When required this circuit will be activated for EMCC support. REF: T1K FLS 3020 DBR 520264 T1.1EK FLS 3020 DBR 520265

STS OPS FLIGHT PRD, VOLUME I PROGRAM REOUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06 ______

CONTINUED

[PRD] DATABASE RECORD: 388962 ITEM NUMBER: DEHKT12.6K

T14EGKX FLS 2730 DBR 520260

NOTE 2: TALK CAPABILITY REQUIRED WHEN EMCC IS ACTIVATED.

NOTE 3: REQUIRED UPON ACTIVATION OF EMCC

TECH CONTACT: KSC R. HARRISON/PK-D2/407 861-3958

SUPPLIER: KSC AGENCY: SUBSUPPLIER: TA-B2 AGENCY: KSC/PH-B (KENNEDY SPACE CENTER

USK-102

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 06/13/02

RESPONSE TRACKING: ZFR5202 ZFR5504

[PRD] DATABASE RECORD: 279239 REQUIREMENT STATUS: APPROVED APPROVAL DATE: 05/24/02 INITIAL DATE: 10/24/84 DOCUMENT ID: FLT-I

ITEM NUMBER: HT16.1T DATE LAST CHANGED: 02/12/04 2750 TIME LAST CHANGED: 11:29:46 SECTION:

MSFC REQUESTER: JSC

ALPHSE CKT16 FULL-TIME STSALL TEST CODE:

TRACKING NO. F02-06-2 F203-7

1. DESCRIPTION: HOSC ORDER WIRE (HOSC O/W)

RESPONSIBLE AGENCY: JSC

TEST CODE CAP NOTE TERMINATION LOCATION REF ---Т T1MCC distribution H2 Т Extend to MSFC

SUPPLIER: JSC AGENCY: JSC/DV (JOHNSON SPACE CENTER

RESPONSE DATE: 05/24/02 SUPPLIER COMMITMENT: WILCO

FLS2750.003 PAGE SEOUENCE NUMBER: 29 REF UDS NR 225

CLASSIFICATION UNCLASSIFIED

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06

[PRD] DATABASE RECORD: 282681 REQUIREMENT STATUS: APPROVED

DOCUMENT ID: FLT-I APPROVAL DATE: 10/24/84 INITIAL DATE: 10/24/84

ITEM NUMBER: T16.2H DATE LAST CHANGED: 10/14/04 SECTION: 2750 TIME LAST CHANGED: 09:29:24

REQUESTER: JSC

TEST CODE: ALPHSE CKT16 FULL-TIME STSALL

1. DESCRIPTION: HOSC ORDER WIRE (HOSC O/W)

RESPONSIBLE AGENCY: MSFC

REF TEST CODE CAP NOTE TERMINATION LOCATION
--- TI T MSFC for Distribution

T2 T Extend to HOSC

SUPPLIER: MSFC AGENCY: MSFC/E060 (MARSHALL SPACE FLIGHT CENTER)

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 10/24/84

[PRD] DATABASE RECORD: 358588 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 04/07/88

INITIAL DATE: 04/07/88
ITEM NUMBER: T23.5H DATE LAST CHANGED: 10/14/04
SECTION: 2750 TIME LAST CHANGED: 09:29:25

REQUESTER: JSC SUBREQUESTER: JSC/MT3 TEST CODE: ALPHSE

TEST CODE: ALPHSE CKT23 FULL-TIME STSALL

TVPLAN

1. DESCRIPTION: MISSION AUDIO

RESPONSIBLE AGENCY: MSFC

REF TEST CODE CAP NOTE TERMINATION LOCATION

T1 M Comm Bldg 4207 for distribution

T2 M Public Information Office
T3 M USBI Engineer Conference Room

SUPPLIER: MSFC AGENCY: MSFC/E060 (MARSHALL SPACE FLIGHT CENTER)

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 04/07/88

FLS2750.004 PAGE SEQUENCE NUMBER: 30 REF UDS NR 225

CLASSIFICATION UNCLASSIFIED

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06 ______

CONTINUED

[PRD] DATABASE RECORD: 358588

ITEM NUMBER: T23.5H

[PRD] DATABASE RECORD: 22723 REQUIREMENT STATUS: APPROVED APPROVAL DATE: 08/22/90 INITIAL DATE: 08/22/90 DOCUMENT ID: FLT-I

ITEM NUMBER: T25.4H DATE LAST CHANGED: 10/14/04 SECTION: 2750 TIME LAST CHANGED: 09:29:24

JSC REQUESTER:

SUBREQUESTER: JSC/MT3

TEST CODE: ALPHSE CKT25 FULL-TIME STSALL

TVPLAN

F008-2 F009-2 TRACKING NO.

1. DESCRIPTION: VIDEO OPERATIONS (VIDEO OPS)

RESPONSIBLE AGENCY: MSFC

REF TEST CODE CAP NOTE TERMINATION LOCATION --- ------1 Bldg 4207 for distribution T1 1 Term at Press Conference Control Room 1 Term at Video Circuit Switching Area T2 T Term at Press Conference Control Room Т3 Т

NOTE 1: Circuit used for Flight Readiness Reviews (FRR's), STSALL Press Conferences, MSFC POCC missions.

SUPPLIER: MSFC AGENCY: MSFC/E060 (MARSHALL SPACE FLIGHT CENTER)

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 08/22/90

______ [PRD] DATABASE RECORD: 339409 REQUIREMENT STATUS: APPROVED APPROVAL DATE: 04/05/88 DOCUMENT ID: FLT-I

INITIAL DATE: 04/05/88 ITEM NUMBER: Y28.6H DATE LAST CHANGED: 10/14/04 TIME LAST CHANGED: 09:29:25 SECTION: 2750

NASA HQ JSC/MT3 REOUESTER: SUBREQUESTER:

TEST CODE: CKT28 FULL-TIME STSALL ALPHSE

TVPLAN

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06

CONTINUED

[PRD] DATABASE RECORD: 339409

ITEM NUMBER: Y28.6H

1. DESCRIPTION: PUBLIC AFFAIRS OFFICE COORDINATION (PAO COORD)

RESPONSIBLE AGENCY: MSFC

REF	TEST CODE	CAP	NOTE	TERMINATION LOCATION
Y1		Т		Bldg. 4207, Marshall Comm for
				Distribution
Y2		Т		Bldg. 4207, TV Control, Executive
				Producer
Y3		Т		Bldg. 4200, Director of Public Affairs
Y4		Т		Bldg. 4200, Chief of Media Services
Y5		Т		Bldg. 4200, NSTS Public Affairs Officer
Y6		Т		Bldg. 4663, PCR M-203, PAO Commentator
Y7		Т		Bldg. 4663, PCR A-209, PAO Commentator

SUPPLIER: MSFC AGENCY: MSFC/E060 (MARSHALL SPACE FLIGHT CENTER

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 09/26/88

[PRD] DATABASE RECORD: 14290 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 04/05/88 INITIAL DATE: 04/05/88 ITEM NUMBER: T29.5H DATE LAST CHANGED: 10/14/04

SECTION: 2750 TIME LAST CHANGED: 09:29:24

REQUESTER: JSC SUBREQUESTER: JSC/MT3

TEST CODE: ALPHSE CKT29 FULL-TIME STSALL

TVPLAN

1. DESCRIPTION: PUBLIC AFFAIRS OFFICE CUE (PAO CUE)

RESPONSIBLE AGENCY: MSFC

REF TEST CODE CAP NOTE TERMINATION LOCATION

T1 Bldg. 4207 for distribution

SUPPLIER: MSFC AGENCY: MSFC/E060 (MARSHALL SPACE FLIGHT CENTER)

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 09/26/88

FLS2750.006 PAGE SEQUENCE NUMBER: 32 REF UDS NR 225

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06 ______

CONTINUED

[PRD] DATABASE RECORD: 14290

ITEM NUMBER: T29.5H

[PRD] DATABASE RECORD: 276383 REQUIREMENT STATUS: APPROVED APPROVAL DATE: 10/03/02 INITIAL DATE: 01/17/90 DOCUMENT ID: FLT-I ITEM NUMBER: GHKTX45.1G DATE LAST CHANGED: 05/03/05 SECTION: 2750 TIME LAST CHANGED: 13:44:18

REQUESTER: GSFC MSFC KSC

TEST CODE:

JSC DFRC

30 SPW ALPHSE CKT45 EAFB
ER MIL STSALL

F02-06-2 F203-8 F208-3 F301-1 F301-3
F308-2 F310-2 F310-2A F804-1 F901-14 TRACKING NO.

1. DESCRIPTION: SITE COORDINATION (SITE COORD)

RESPONSIBLE AGENCY: GSFC

REF	TEST CODE	CAP	NOTE	TERMINATION LOCATION
T1		Т		GSFC for distribution
T2		Т		Extend to JSC
Т3		Т		GSFC NIC
Т4		Т		Extend to CCAS X-Y via CDSC
G5		M		Extend to KSC/CDSC for distribution
Н6		M		Extend to MSFC Comm Bldg. 4207 for Dist.
Т7		T		Extend to WSMR/WSMR via WSC
T8		T		Extend to GN
G9		Т		Extend to WSC
T10		T		Extend to DFRC

SUPPLIER: GSFC AGENCY: GSFC/451 (GODDARD SPACE FLIGHT CENTER)

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 10/03/02

______ [PRD] DATABASE RECORD: 17643 REQUIREMENT STATUS: APPROVED APPROVAL DATE: 02/10/89 DOCUMENT ID: FLT-I

INITIAL DATE: 02/10/89 ITEM NUMBER: H45.6GH DATE LAST CHANGED: 11/22/05 SECTION: 2750 TIME LAST CHANGED: 10:35:11

______ FLS2750.007

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06 ______

CONTINUED

[PRD] DATABASE RECORD: 17643

ITEM NUMBER: H45.6GH

KEQUESTER: MSFC
SUBREQUESTER: MSFC/E032
TEST CODE:

ALPHSE CKT45 STSALL F05-11-2 F901-14 TEST CODE:

TRACKING NO.

1. DESCRIPTION: SITE COORDINATION (SITE COORD)

RESPONSIBLE AGENCY: MSFC

ਸਤਸ TEST CODE CAP NOTE TERMINATION LOCATION ___ _____

H1 COMM Bldg. 4207 for Dist.

M MSFC OPS, MSFC Data and COMM Control,

Bldg. 4663

TECHNICAL CONTACT: MSFC/E060/PHILIP CAUTHEN/256 544-4204

GSFC/451/JIM BANGERTER/301 286-7306

SUPPLIER: GSFC AGENCY: GSFC/451 (GODDARD SPACE FLIGHT CENTER

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 02/15/89

SUPPLIER: MSFC AGENCY: MSFC/E060 (MARSHALL SPACE FLIGHT CENTER)

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 12/18/90

______ [PRD] DATABASE RECORD: 319763 REQUIREMENT STATUS: APPROVED

APPROVAL DATE: 01/08/03 DOCUMENT ID: FLT-I

INITIAL DATE: 01/17/90 ITEM NUMBER: HKTY46.1T DATE LAST CHANGED: 02/12/04

TIME LAST CHANGED: 13:17:50 SECTION: 2750

REQUESTER: MSFC KSC JSC

NASA HQ

PZ-A3 SUBREQUESTER:

TEST CODE: CKT46 LATROT EAFB STSALL

TRACKING NO. F03-01-1 F204-10 F908-1

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06

CONTINUED

[PRD] DATABASE RECORD: 319763
ITEM NUMBER: HKTY46.1T

1. DESCRIPTION: SPACE SHUTTLE PROGRAM OFFICE (SSPO)

RESPONSIBLE AGENCY: JSC

REF	TEST CODE	CAP	NOTE	TERMINATION LOCATION
T1		T		MCC for distribution
T2		T		Extend to JSC MER
T3		Т		Extend to DFRC
T4		Т		Extend to GSFC
Н5				Extend to MSFC
Кб		T		Extend to KSC

SUPPLIER: JSC AGENCY: JSC/DV (JOHNSON SPACE CENTER

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 01/08/03

[PRD] DATABASE RECORD: 330185 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 10/25/84

DOCUMENT ID: FLT-I APPROVAL DATE: 10/25/84
INITIAL DATE: 10/25/84

ITEM NUMBER: H46.4H DATE LAST CHANGED: 10/14/04

SECTION: 2750 TIME LAST CHANGED: 09:29:24

REQUESTER: MSFC

TEST CODE: CKT46 LATROT STSALL

1. DESCRIPTION: SPACE SHUTTLE PROGRAM OFFICE (SSPO)

RESPONSIBLE AGENCY: MSFC

REF TEST CODE CAP NOTE TERMINATION LOCATION

H1 T Bldg 4207 for distribution to HOSC

SUPPLIER: MSFC AGENCY: MSFC/E060 (MARSHALL SPACE FLIGHT CENTER)

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 10/25/84

FLS2750.009 PAGE SEQUENCE NUMBER: 35 REF UDS NR 225

CLASSIFICATION UNCLASSIFIED

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06

[PRD] DATABASE RECORD: 384710 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 04/05/88

INITIAL DATE: 04/05/88 T49.4H ITEM NUMBER: DATE LAST CHANGED: 10/14/04

TIME LAST CHANGED: 09:29:25 SECTION: 2750

JSC JSC/MT3 REQUESTER: SUBREQUESTER:

CKT49 FULL-TIME STSALL TEST CODE: ALPHSE

TVPLAN

1. DESCRIPTION: SUPPORT AUDIO

RESPONSIBLE AGENCY: MSFC

ਸਸ਼ਸ TEST CODE CAP NOTE TERMINATION LOCATION ___ -----

T1Т Comm Bldg 4207 for distribution Press Conference Auditorium

SUPPLIER: MSFC AGENCY: MSFC/E060 (MARSHALL SPACE FLIGHT CENTER)

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 09/26/88

[PRD] DATABASE RECORD: 289849 REQUIREMENT STATUS: APPROVED

DOCUMENT ID: FLT-I APPROVAL DATE: 11/19/91 INITIAL DATE: 11/19/91

HT51.5H DATE LAST CHANGED: 10/14/04 ITEM NUMBER: TIME LAST CHANGED: 09:29:24 SECTION: 2750

REQUESTER: MSFC
SUBREQUESTER: JSC/MT3
TEST CODE: ALPHSE JSC J TVPLAN

CKT51 FULL-TIME STSALL

TRACKING NO. F111-4 F302-9 RSRR145

1. DESCRIPTION: TELEVISION CONFERENCE (TV CONF)

RESPONSIBLE AGENCY: MSFC

REF TEST CODE CAP NOTE TERMINATION LOCATION _____ ___

T1Term. in Bldq 4207, Rm 107, CDC of MSFC

Н2 T 1 EXTEND TO GE AMERICAN

______ PAGE SEQUENCE NUMBER: 36

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06

CONTINUED

[PRD] DATABASE RECORD: 289849

ITEM NUMBER: HT51.5H

EARTH STATION

NOTE 1 - EXTEND CIRCUIT TO GE EARTH STATION VIA FOUR WIRE

VOICE CIRCUIT TERMINATION ON A DESK OR WALL INSTRUMENT

(WHICHEVER STATION MANAGER DESIRES) WITH A PUSH TO TALK

SWITCH AND SPEAKER MUTING WHEN PTT SWITCH IS ACTIVATED.

SUPPLIER: MSFC AGENCY: MSFC/E060 (MARSHALL SPACE FLIGHT CENTER)

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 02/19/93

[PRD] DATABASE RECORD: 16069 REQUIREMENT STATUS: APPROVED

DOCUMENT ID: FLT-I APPROVAL DATE: 06/02/05
INITIAL DATE: 03/08/90
ITEM NUMBER: GHT65G DATE LAST CHANGED: 11/22/05
SECTION: 2750 TIME LAST CHANGED: 10:38:58

REQUESTER: GSFC MSFC JSC

SUBREQUESTER: JSC/DV

TEST CODE: ALPHSE CKT65 FULL-TIME STSALL

TRACKING NO. F05-11-2 F404-1

1. DESCRIPTION: MDM ORDERWIRE

RESPONSIBLE AGENCY: GSFC

REF TEST CODE CAP NOTE TERMINATION LOCATION

G1 T Extend to WSC

T2 T Extend to JSC

H3 T Extend to MSFC (4207) for Distribution

TECHNICAL CONTACTS: MSFC/E060/P. CAUTHEN/256 544-4204 JSC/DV/K. JONES/281 483-7671

SUPPLIER: GSFC AGENCY: GSFC/451 (GODDARD SPACE FLIGHT CENTER)

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 06/02/05

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06 ______

CONTINUED

[PRD] DATABASE RECORD: 16069

ITEM NUMBER: GHT65G

[PRD] DATABASE RECORD: 518994 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I

APPROVAL DATE: 03/16/92 INITIAL DATE: 03/16/92 ITEM NUMBER: H66.3T DATE LAST CHANGED: 09/03/02

SECTION: 2750 TIME LAST CHANGED: 09:12:50

MSFC REQUESTER:

ALPHSE CKT66 TEST CODE: STSALL

TRACKING NO. F203-8 F203-8A

1. DESCRIPTION: STAFF ENGINEER

RESPONSIBLE AGENCY: MSFC

REF TEST CODE CAP NOTE TERMINATION LOCATION

T1Т MSFC FOR DISTRIBUTION

AGENCY: JSC/DV (JOHNSON SPACE CENTER SUPPLIER: JSC

RESPONSE DATE: 03/16/92 SUPPLIER COMMITMENT: WILCO ______

[PRD] DATABASE RECORD: 568093 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 11/19/02

INITIAL DATE:

ITEM NUMBER: HT150.3H DATE LAST CHANGED: 10/14/04 TIME LAST CHANGED: 09:29:24 SECTION: 2750

REQUESTER: MSFC JSC

STSALL TEST CODE: CKT150

TRACKING NO. F02-11-5

1. DESCRIPTION: TN COORD

RESPONSIBLE AGENCY: MSFC

REF CAP TERMINATION LOCATION

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06

CONTINUED

[PRD] DATABASE RECORD: 568093 ITEM NUMBER: HT150.3H

M MSFC LOCAL DISTRIBUTION

SUPPLIER: MSFC AGENCY: MSFC/E060 (MARSHALL SPACE FLIGHT CENTER)

RESPONSE DATE: 12/12/03 SUPPLIER COMMITMENT: WILCO

_____ [PRD] DATABASE RECORD: 567701 REOUIREMENT STATUS: APPROVED

DOCUMENT ID: FLT-I APPROVAL DATE: 11/14/02

INITIAL DATE:

ITEM NUMBER: GHT157G DATE LAST CHANGED: 02/12/04 SECTION: 2750 TIME LAST CHANGED: 13:27:01

REQUESTER: MSFC JSC

GSFC
FULL-TIME STSALL TEST CODE:

ASSOCIATED DOC: ISS VOL-I TRACKING NO. F02-11-3

1. DESCRIPTION: NISN COMM COORD

Responsible Agency: GSFC

REF	CAP	NOTE	TERMINATION LOCATION	
T1	T/M	1	EXTEND TO JSC	
H2	T/M	1	EXTEND TO MSFC	
G3	T/M	1	DISTRIBUTION TO GSFC NISN	
			ITERNAL AREAS	

NOTE: 1. Orderwire between JSC OST, GSFC COMM Manager, and MSFC NISN Service Group for all NISN related voice and data issues.

REF: ISS VOL-I ITEM GHT8G SECTION 2750 DBR 561754

SUPPLIER: GSFC AGENCY: GSFC/451 (GODDARD SPACE FLIGHT CENTER

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 11/22/02

PAGE SEQUENCE NUMBER: 39 FLS2750.013

CLASSIFICATION UNCLASSIFIED

STS OPS FLIGHT PRD, VOLUME I PROGRAM REOUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06

[PRD] DATABASE RECORD: 557526 REQUIREMENT STATUS: APPROVED

APPROVAL DATE: 11/14/02 DOCUMENT ID: FLT-I INITIAL DATE: 11/06/00

GHT157.1T ITEM NUMBER: DATE LAST CHANGED: 02/12/04 TIME LAST CHANGED: 13:27:33 SECTION: 2750

REQUESTER: GSFC MS
TEST CODE: FULL-TIME STSALL MSFC JSC

ASSOCIATED DOC: ISS VOL-I

F011-1 F02-06-2 F02-11-3 TRACKING NO.

1. DESCRIPTION: NISN COMM COORD

Responsible Agency: JSC

NOTE TERMINATION LOCATION REF CAP ____ ___ ___ т1 T/M 1 MCC DISTRIBUTION

NOTE: 1. Orderwire between JSC OST, GSFC COMM MANAGER, and MSFC NISN

Service Group for all NISN related voice and data issues.

REF: ISS VOL-I ITEM TH8.1GT SECTION ISO2750 DBR 557096

SUPPLIER: JSC AGENCY: JSC/DV (JOHNSON SPACE CENTER

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 11/14/02

______ [PRD] DATABASE RECORD: 567703 REQUIREMENT STATUS: APPROVED

APPROVAL DATE: 11/14/02

INITIAL DATE:

ITEM NUMBER: GHT157.2H DATE LAST CHANGED: 10/14/04 TIME LAST CHANGED: 09:29:24 SECTION: 2750

GSFC FULL-TIME MSFC REQUESTER: JSC

STSALL TEST CODE:

ASSOCIATED DOC: ISS VOL-I TRACKING NO. F01-11-3

DOCUMENT ID: FLT-I

1. DESCRIPTION: NISN COMM COORD

______ PAGE SEQUENCE NUMBER: 40 FLS2750.014 REF UDS NR 225

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06 ______

CONTINUED

[PRD] DATABASE RECORD: 567703 ITEM NUMBER: GHT157.2H

Responsible Agency: MSFC

REF	CAP	NOTE	TERMINATION LOCATION
н1	T/M	1	DISTRIBUTION TO MSFC ENMC/RSEG
Н2	T/M	2	DISTRIBUTION TO MSFC HOSC

- NOTE: 1. Orderwire between JSC OST, GSFC COMM MGR, and MSFC NISN (ENMC) and Russian Services Engineering Group (RSEG) for all NISN related voice and data issues.
 - 2. Used for NISN voice and data communication issues between COMM MGR, JSC OST, MSFC IST, and others as required.

REF: ISS VOL-I ITEM GHT8.2H SECTION 2750 DBR 561755

SUPPLIER: MSFC AGENCY: MSFC/E060 (MARSHALL SPACE FLIGHT CENTER)

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 11/21/02

______ [PRD] DATABASE RECORD: 558795 REQUIREMENT STATUS: APPROVED

DOCUMENT ID: FLT-I APPROVAL DATE: 11/14/02 INITIAL DATE: 03/29/01 ITEM NUMBER: GHT158G DATE LAST CHANGED: 02/12/04 TIME LAST CHANGED: 13:29:39 SECTION: 2750

REQUESTER: GSFC
TEST CODE: FULL-TIME STSALL MSFC JSC

ASSOCIATED DOC: ISS VOL-I TRACKING NO. F01-03-2 F02-11-3

1. DESCRIPTION: WSC PLAYBACK COORD

RESPONSIBLE AGENCY:GSFC

TERMINATION LOCATION NOTE ----REF CAP --------___ 1 T1 T/MEXTEND TO JSC

______ PAGE SEQUENCE NUMBER: 41

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06

CONTINUED

[PRD] DATABASE RECORD: 558795

ITEM NUMBER: GHT158G

T/M T/M 1 EXTEND TO MSFC 1 EXTEND TO WSC H2 G3

NOTE: This circuit will be used for all Shuttle and Station Playbacks.

REF: ISS VOL-I ITEM GHT13G SECTION 2750 DBR 558796

SUPPLIER: GSFC AGENCY: GSFC/450 (GODDARD SPACE FLIGHT CENTER)
SUBSUPPLIER: WSC

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 11/22/02

[PRD] DATABASE RECORD: 567706 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 11/14/02

INITIAL DATE:

ITEM NUMBER: GHT158.1T DATE LAST CHANGED: 02/12/04

2750 TIME LAST CHANGED: 13:30:06 SECTION:

GSFC MS FULL-TIME STSALL REOUESTER: MSFC JSC

TEST CODE:

ASSOCIATED DOC: ISS VOL-I TRACKING NO. S02-11-1

1. DESCRIPTION: WSC PLAYBACK COORD

RESPONSIBLE AGENCY: JSC

NOTE TERMINATION LACTION REF CAP ___ ----T/M 1 TELCOM CONSOLES T1

NOTE: 1. THIS CIRCUIT WILL BE USED FOR ALL SHUTTLE AND STATION PLAYBACKS.

STS OPS FLIGHT PRD, VOLUME I PROGRAM REOUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06 ______

CONTINUED

[PRD] DATABASE RECORD: 567706 ITEM NUMBER: GHT158.1T

REF: ISS VOL-I ITEM GHT13.1T SECTION 2750 DBR 561724

SUPPLIER: JSC AGENCY: JSC/DV (JOHNSON SPACE CENTER

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 11/14/02

[PRD] DATABASE RECORD: 567707 REOUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 11/14/02

INITIAL DATE:

ITEM NUMBER: GHT158.2H DATE LAST CHANGED: 10/14/04 SECTION: 2750 TIME LAST CHANGED: 09:29:24

GSFC
FULL-TIME STSALL REOUESTER: MSFC JSC

TEST CODE:

ASSOCIATED DOC: ISS VOL-I TRACKING NO. S02-11-1

1. DESCRIPTION: WSC PLAYBACK COORD

RESPONSIBLE AGENCY: MSFC

CAP NOTE TERMINATION LOCATION REF ----T/M1 н1 MSFC LOCAL DISTRIBUTION

NOTE: 1.THIS CIRCUIT WILL BE USED FOR ALL SHUTTLE AND STATION PLAYBACK.

REF: ISS VOL-II ITEM GHT13.2H SECTION 2750 DBR 561725

SUPPLIER: MSFC AGENCY: MSFC/E060 (MARSHALL SPACE FLIGHT CENTER)

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 11/21/02

______ [PRD] DATABASE RECORD: 563578 REQUIREMENT STATUS: APPROVED

DOCUMENT ID: APPROVAL DATE: 04/05/05 FLT-I

INITIAL DATE:

ITEM NUMBER: GH161G DATE LAST CHANGED: 05/12/05 SECTION: 2750 TIME LAST CHANGED: 13:51:34

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06 ______

CONTINUED

[PRD] DATABASE RECORD: 563578

ITEM NUMBER: GH161G

REQUESTER: GSFC MSFC
TEST CODE: CKT161 FULL-TIME STSALL

1. DESCRIPTION: GSFC/MSFC COORD

RESPONSIBLE AGENCY: GSFC

CAP REF NOTE TERMINATION LOCATION H1T Extend to MSFC Т G2 Extend to KSC/CDSC G3 Т Extend to WSC/WSSH G4 T GSFC Local Distribution

SUPPLIER: GSFC AGENCY: GSFC/451 (GODDARD SPACE FLIGHT CENTER)

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 05/12/05

[PRD] DATABASE RECORD: 563579

REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 07/25/02

INITIAL DATE:

DATE LAST CHANGED: 10/14/04 ITEM NUMBER: GH161.1H TIME LAST CHANGED: 09:29:24 SECTION: 2750

GSFC REOUESTER: MSFC

CKT161 FULL-TIME STSALL TEST CODE:

1. DESCRIPTION: GSFC/MSFC COORD

RESPONSIBLE AGENCY: MSFC

CAP NOTE TERMINATION LOCATION REF

Extend for MSFC Distribution н1

SUPPLIER: MSFC AGENCY: MSFC/E060 (MARSHALL SPACE FLIGHT CENTER

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 12/12/03

PAGE SEQUENCE NUMBER: 44 REF UDS NR 225 FLS2750.018

CLASSIFICATION UNCLASSIFIED

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06

______ [PRD] DATABASE RECORD: 563580

REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 07/25/02

INITIAL DATE:

ITEM NUMBER: GH161.2K DATE LAST CHANGED: 08/11/06

TIME LAST CHANGED: 09:41:19 SECTION: 2750

MSFC

REQUESTER: GSFC MSFC
TEST CODE: CKT161 FULL-TIME STSALL

1. DESCRIPTION: GSFC/MSFC COORD

RESPONSIBLE AGENCY: KSC/CDSC

REF CAP NOTE TERMINATION LOCATION

G1 Т Extend to MIL

SUPPLIER: KSC AGENCY: KSC/PH-B (KENNEDY SPACE CENTER

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 07/25/02

_____ ______

[PRD] DATABASE RECORD: 581079 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I

APPROVAL DATE: 03/15/05 INITIAL DATE: 03/15/05

ITEM NUMBER: HKT168T DATE LAST CHANGED: 04/12/05 SECTION: 2750 TIME LAST CHANGED: 15:35:42

REQUESTER: MSFC
SUBREQUESTER: JSC/MS2
TEST CODE: KSC JSC

ALPHSE LAEORB PREFLT STSALL

TRACKING NO. F05-3-2

1. DESCRIPTION: FLIGHT SOFTWARE (FSW) MANAGEMENT

RESPONSIBLE AGENCY: JSC

NOTE TERMNATION LOCATION REF CAP ___ ----_____ T1 T/M 1 EXTEND TO MER/SE&I T/M 1 T/M 1 EXTEND TO KSC/CDSC K 2. Н3 EXTEND TO MSFC/HOSC

NOTE: 1. This loop will be used for software management level

discussions.

______ PAGE SEQUENCE NUMBER: 45 REF UDS NR 225 FLS2750.019

STS OPS FLIGHT PRD, VOLUME I PROGRAM REOUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06 ______

CONTINUED

[PRD] DATABASE RECORD: 581079

ITEM NUMBER: HKT168T

SUPPLIER: JSC AGENCY: JSC/DV (JOHNSON SPACE CENTER

RESPONSE DATE: 03/15/05 SUPPLIER COMMITMENT: WILCO

[PRD] DATABASE RECORD: 581081 REOUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 03/15/05 INITIAL DATE: 03/15/05

HKT168.1K DATE LAST CHANGED: 07/21/05 ITEM NUMBER: SECTION: 2750 TIME LAST CHANGED: 11:53:48

REQUESTER: MSFC KSC JSC
SUBREQUESTER: JSC/MS2
TEST CODE: ALPHSE LAEORB PREFLT STSALL

TRACKING NO. F05-3-2

1. DESCRIPTION: FSW MANAGEMENT

RESPONSIBLE AGENCY: KSC

REF CAP NOTE TERMINATION LOCATION ----______ K1 T/M 1 EXTEND TO FR 2 SE&I CONSOLE

NOTE: 1. This loop will be used for software management level discussions.

SUPPLIER: KSC AGENCY: KSC/PH-B (KENNEDY SPACE CENTER

RESPONDER: ROD THORNTON KSC-105

FLS2750.020

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 07/19/05

[PRD] DATABASE RECORD: 581082 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 03/15/05 INITIAL DATE: 03/15/05 ITEM NUMBER: нкт168.2н DATE LAST CHANGED: 04/14/05

TIME LAST CHANGED: 15:57:13 SECTION: 2750

REQUESTER: MSFC KSC JSC

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06

CONTINUED

[PRD] DATABASE RECORD: 581082 ITEM NUMBER: HKT168.2H

SUBREQUESTER: JSC/MS2
TEST CODE: ALPHSE LAEORB PREFLT STSALL

TRACKING NO. F05-03-2

1. DESCRIPTION: FLIGHT SOFTWARE (FSW) MANAGEMENT

RESPONSIBLE AGENCY: MSFC

CAP NOTE REF TERMINATION LOCATION -------_____ 1 Н1 T/MEXTEND TO HOSC

NOTE: 1. This loop will be used for software management level

discussions.

SUPPLIER: MSFC AGENCY: MSFC/E060 (MARSHALL SPACE FLIGHT CENTER)

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 04/14/05

[PRD] DATABASE RECORD: 581083 REQUIREMENT STATUS: APPROVED

DOCUMENT ID: FLT-IAPPROVAL DATE: 05/12/05 INITIAL DATE: 03/15/05 ITEM NUMBER: DATE LAST CHANGED: 06/13/05

HKTY169T TIME LAST CHANGED: 15:47:15 SECTION: 2750

MSFC REQUESTER: KSC JSC

NASA HQ

SUBREQUESTER: TEST CODE:

JSC/MS2 ALPHSE LAEORB PREFLT STSALL

TRACKING NO. F05-03-2 F05-05-1

1. DESCRIPTION: IMAGERY INTEGRATION

RESPONSIBLE AGENCY: JSC

CAP NOTE REF TERMNATION LOCATION ----___ _____ ___ T/M 1 T1 EXTEND TO MER/SE&I

______ PAGE SEQUENCE NUMBER: 47

STS OPS FLIGHT PRD, VOLUME I PROGRAM REOUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

RUN DATE: 09/11/06 PUBLICATION DATE: 10/11/90 REVISION: 0000

CONTINUED

[PRD] DATABASE RECORD: 581083 ITEM NUMBER: HKTY169T

-/ ^{1^v1} 1 T/M 1 EXTEND TO KSC/CDSC EXTEND TO MSFC/HOSC K2 T/M1 Н3 M Y4EXTEND TO GSFC

NOTE: 1.Discussions between JSC, KSC, and MSFC about the pre-launch status of cameras, observations made by the cameras, and coordinating the results of imagery reviews.

SUPPLIER: JSC AGENCY: JSC/DV (JOHNSON SPACE CENTER

RESPONSE DATE: 06/13/05 SUPPLIER COMMITMENT: WILCO

[PRD] DATABASE RECORD: 581084 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 03/15/05 INITIAL DATE: 03/15/05 ITEM NUMBER: HKT169.1K DATE LAST CHANGED: 07/21/05 TIME LAST CHANGED: 11:54:27 SECTION: 2750

REQUESTER: MSFC JSC/MS2 ALPHSE KSC JSC

SUBREQUESTER:

TEST CODE: LAEORB PREFLT STSALL

TRACKING NO. F05-03-2

1. DESCRIPTION: IMAGERY INTEGRATION

RESPONSIBLE AGENCY: KSC

REF NOTE TERMNATION LOCATION CAP ___ -------_____ T/M 1 EXTEND TO FR 2 SE&I CONSOLE

NOTE: 1.Discussions between JSC, KSC, and MSFC about the pre-launch status of cameras, observations made by the cameras, and coordinating the results of imagery reviews.

SUPPLIER: KSC AGENCY: KSC/PH-B (KENNEDY SPACE CENTER)

RESPONDER: ROD THORNTON KSC-105

______ PAGE SEQUENCE NUMBER: 48 REF UDS NR 225

STS OPS FLIGHT PRD, VOLUME I PROGRAM REOUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06 ______

CONTINUED

[PRD] DATABASE RECORD: 581084 ITEM NUMBER: HKT169.1K

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 07/19/05

[PRD] DATABASE RECORD: 581085 REQUIREMENT STATUS: APPROVED APPROVAL DATE: 03/15/05 DOCUMENT ID: FLT-I INITIAL DATE: ITEM NUMBER: DATE LAST CHANGED: 04/14/05 HKT169.2H TIME LAST CHANGED: 15:57:41 SECTION: 2750

SUBREQUESTER: MSFC
SUBREQUESTER: JSC/MS2
TEST CODE: KSC JSC

ALPHSE LAEORB PREFLT STSALL

TRACKING NO. F05-03-2

1. DESCRIPTION: IMAGERY INTEGRATION

RESPONSIBLE AGENCY: MSFC

NOTE CAP TERMNATION LOCATION ------------T/M1 EXTEND TO HOSC Н1

NOTE: 1.Discussions between JSC, KSC, and MSFC about the pre-launch status of cameras, observations made by the cameras, and coordinating the results of imagery reviews.

SUPPLIER: MSFC AGENCY: MSFC/E060 (MARSHALL SPACE FLIGHT CENTER)

RESPONSE DATE: 04/14/05 SUPPLIER COMMITMENT: WILCO

_____ [PRD] DATABASE RECORD: 582739 REQUIREMENT STATUS: APPROVED

APPROVAL DATE: 05/12/05 DOCUMENT ID: FLT-I INITIAL DATE: 05/12/05

DATE LAST CHANGED: 09/07/05 ITEM NUMBER: HKTY169.3G TIME LAST CHANGED: 15:42:22 SECTION: 2750

MSFC REQUESTER: KSC JSC

NASA HO

TEST CODE: ALPHSE LAEORB PREFLT STSALL

______ FLS2750.023

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06

CONTINUED

[PRD] DATABASE RECORD: 582739 ITEM NUMBER: HKTY169.3G

TRACKING NO. F05-05-1

1. DESCRIPTION: IMAGERY INTEGRATION

RESPONSIBLE AGENCY: GSFC

CAP NOTE TERMNATION LOCATION REF ___ ____ ___ ______ 1 EXTEND TO NASA HO

NOTE: 1. Discussions between JSC, KSC, and MSFC about the pre-launch status of cameras, observations made by the cameras, and

coordinating the results of imagery reviews.

SUPPLIER: GSFC (GODDARD SPACE FLIGHT CENTER) AGENCY: GSFC/451

RESPONDER: ANTHONY WILLIAMS 301 805-3459

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 08/17/05

RESPONSE TRACKING: ZGRAM0053

[PRD] DATABASE RECORD: 581088 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 08/10/05 INITIAL DATE: 03/15/05 ITEM NUMBER: HKT171T DATE LAST CHANGED: 08/10/05 TIME LAST CHANGED: 15:09:18 SECTION: 2750

KSC JSC

REQUESTER: MSFC
SUBREQUESTER: JSC/MS2
TEST CODE: ALPHSE STSALL
TRACKING NO. F05-03-2 F05-08-1

1. DESCRIPTION: RADAR SYSTEM

RESPONSIBLE AGENCY: JSC

REF	CAP	NOTE	TERMNATION LOCATION
T1	T/M	1	EXTEND TO MER/SE&I
K2	T/M	1	EXTEND TO KSC/CDSC

______ PAGE SEQUENCE NUMBER: 50

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06 ______

CONTINUED

[PRD] DATABASE RECORD: 581088

ITEM NUMBER: HKT171T

H3 T/M 1 EXTEND TO MSFC/HOSC

NOTE: 1. This loop will be used for connecting JSC, KSC, MSFC, and

SUPPLIER: JSC AGENCY: JSC/DV (JOHNSON SPACE CENTER)

RESPONDER: PATRICIA MATTINGLY JSC/DV

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 08/10/05

[PRD] DATABASE RECORD: 581091 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 08/10/05 INITIAL DATE: 03/15/05

ITEM NUMBER: HKT171.2H DATE LAST CHANGED: 08/11/06 TIME LAST CHANGED: 09:42:18 SECTION: 2750

MSFC JSC/MS2 KSC REQUESTER: JSC

SUBREQUESTER:

STSALL TEST CODE: ALPHSE F05-03-2 F05-08-1 TRACKING NO.

1. DESCRIPTION: RADAR SYSTEM

RESPONSIBLE AGENCY: MSFC

NOTE TERMNATION LOCATION REF CAP ___ ____ ______ T/M1 EXTEND TO HOSC

NOTE: 1. This loop will be used for connecting JSC, KSC, MSFC, and

the ROCC.

SUPPLIER: MSFC AGENCY: MSFC/E060 (MARSHALL SPACE FLIGHT CENTER)

RESPONSE DATE: 08/10/05 SUPPLIER COMMITMENT: WILCO

PAGE SEQUENCE NUMBER: 51 FLS2750.025

CLASSIFICATION UNCLASSIFIED

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06

[PRD] DATABASE RECORD: 581097 REQUIREMENT STATUS: APPROVED

DOCUMENT ID: FLT-I APPROVAL DATE: 03/16/05 INITIAL DATE: 03/16/05

ITEM NUMBER: HKT172T DATE LAST CHANGED: 04/12/05 TIME LAST CHANGED: 16:04:44 SECTION: 2750

KSC JSC

SUBREQUESTER: MSFC
SUBREQUESTER: JSC/MS2
TEST CODE:

ALPHSE LAEORB PREFLT STSALL

F05-03-2 TRACKING NO.

1. DESCRIPTION: SAFE OPS

RESPONSIBLE AGENCY: JSC

REF NOTE TERMNATION LOCATION CAP ____ ___ ---T1 T/M 1 EXTEND TO MER/SE&I K2 T/M 1 H3 T/M 1 EXTEND TO KSC/CDSC EXTEND TO MSFC/HOSC

NOTE: 1. This loop will be used for working level technical

discussions between JSC, KSC, and MSFC S&MA organizations.

SUPPLIER: JSC AGENCY: JSC/DV (JOHNSON SPACE CENTER

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 03/16/05

______ [PRD] DATABASE RECORD: 581098 REQUIREMENT STATUS: APPROVED

DOCUMENT ID: FLT-I APPROVAL DATE: 03/16/05 INITIAL DATE: 03/16/05

ITEM NUMBER: HKT172.1K DATE LAST CHANGED: 07/21/05 TIME LAST CHANGED: 11:55:38 SECTION: 2750

MSFC JSC/MS2 REQUESTER: KSC JSC

SUBREQUESTER:

LAEORB TEST CODE: ALPHSE PREFLT STSALL

TRACKING NO. F05-03-2

1. DESCRIPTION: SAFE OPS

______ PAGE SEQUENCE NUMBER: 52 REF UDS NR 225 FLS2750.026

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

RUN DATE: 09/11/06 PUBLICATION DATE: 10/11/90 REVISION: 0000

CONTINUED

[PRD] DATABASE RECORD: 581098 ITEM NUMBER: HKT172.1K

RESPONSIBLE AGENCY: KSC

CAP NOTE TERMNATION LOCATION ------------1 EXTEND TO FR 2 к1 T/MSE&I CONSOLE

NOTE: 1. This loop will be used for working level technical

discussions between JSC, KSC, and MSFC S&MA organizations.

SUPPLIER: KSC AGENCY: KSC/PH-B (KENNEDY SPACE CENTER)

RESPONDER: ROD THORNTON KSC-105

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 07/19/05

_____ ______

[PRD] DATABASE RECORD: 581099 REQUIREMENT STATUS: APPROVED APPROVAL DATE: 03/16/05 DOCUMENT ID: FLT-I INITIAL DATE: 03/16/05

ITEM NUMBER: HKT172.2H DATE LAST CHANGED: 04/14/05 SECTION: 2750 TIME LAST CHANGED: 15:58:37

REQUESTER: MSFC
SUBREQUESTER: JSC/MS2
TEST CODE: KSC JSC

LAEORB PREFLT STSALL

TRACKING NO. F05-03-2

1. DESCRIPTION: SAFE OPS

RESPONSIBLE AGENCY: MSFC

TERMNATION LOCATION REF CAP NOTE --------H1 T/M 1 EXTEND TO HOSC

NOTE: 1. This loop will be used for working level technical

discussions between JSC, KSC, and MSFC S&MA organizations.

SUPPLIER: MSFC AGENCY: MSFC/E060 (MARSHALL SPACE FLIGHT CENTER

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06 ______

CONTINUED

[PRD] DATABASE RECORD: 581099 ITEM NUMBER: HKT172.2H

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 04/14/05

[PRD] DATABASE RECORD: 581100 REQUIREMENT STATUS: APPROVED APPROVAL DATE: 03/16/05 DOCUMENT ID: FLT-I INITIAL DATE: 03/16/05 нкт173т ITEM NUMBER: DATE LAST CHANGED: 04/12/05 TIME LAST CHANGED: 16:09:56 SECTION: 2750

REQUESTER: MSFC KSC
SUBREQUESTER: JSC/MS2
TEST CODE: ALPHSE LAEORB PREFLT JSC

STSALL

TRACKING NO. F05-03-2

1. DESCRIPTION: USA INTEGRATION

RESPONSIBLE AGENCY: JSC

REF	CAP	NOTE	TERMNATION LOCATION
T1	T/M	1	EXTEND TO MER/SE&I
K2	T/M	1	EXTEND TO KSC/CDSC
Н3	T/M	1	EXTEND TO MSFC/HOSC

NOTE: 1. This loop will be used by the USA Contractor at JSC, KSC, and MSFC for USA contractor coordination of integration issues during real-time mission support to the Systems Engineering and Integration Office.

SUPPLIER: JSC AGENCY: JSC/DV (JOHNSON SPACE CENTER)

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 03/16/05 ______

[PRD] DATABASE RECORD: 581101 REQUIREMENT STATUS: APPROVED DOCUMENT ID: APPROVAL DATE: 03/16/05 FLT-IINITIAL DATE: 03/16/05 ITEM NUMBER: HKT173.1K DATE LAST CHANGED: 07/21/05 TIME LAST CHANGED: 11:56:12 SECTION: 2750

______ PAGE SEQUENCE NUMBER: 54 REF UDS NR 225 FLS2750.028

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

RUN DATE: 09/11/06 PUBLICATION DATE: 10/11/90 REVISION: 0000

CONTINUED

[PRD] DATABASE RECORD: 581101 ITEM NUMBER: HKT173.1K

REQUESTER: MSFC KSC JSC
SUBREQUESTER: JSC/MS2
TEST CODE: ALPHSE LAEORB PREFLT STSALL

TRACKING NO. F05-03-2

1. DESCRIPTION: USA INTEGRATION

RESPONSIBLE AGENCY: KSC

REF CAP NOTE TERMNATION LOCATION ______ ___ -------T/M 1 K1 EXTEND TO FR 2 SE&I CONSOLE

NOTE: 1. This loop will be used by the USA Contractor at JSC, KSC, and MSFC for USA contractor coordination of integration issues during real-time mission support to the Systems Engineering and Integration Office.

SUPPLIER: KSC AGENCY: KSC/PH-B (KENNEDY SPACE CENTER

RESPONDER: ROD THORNTON KSC-105

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 07/19/05

[PRD] DATABASE RECORD: 581102 REQUIREMENT STATUS: APPROVED APPROVAL DATE: 03/16/05 INITIAL DATE: 03/16/05 DOCUMENT ID: FLT-I

DATE LAST CHANGED: 04/14/05 ITEM NUMBER: HKT173.2H 2750 TIME LAST CHANGED: 15:59:06 SECTION:

MSFC JSC/MS2 ALPHSE REQUESTER: KSC JSC

SUBREQUESTER:

TEST CODE: LAEORB STSALL PREFLT

TRACKING NO. F05-03-2

1. DESCRIPTION: USA INTEGRATION

______ PAGE SEOUENCE NUMBER: 55 REF UDS NR 225

STS OPS FLIGHT PRD, VOLUME I PROGRAM REOUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06

CONTINUED

[PRD] DATABASE RECORD: 581102 ITEM NUMBER: HKT173.2H

RESPONSIBLE AGENCY: MSFC

CAP NOTE TERMNATION LOCATION _____ -------1 EXTEND TO HOSC н1 T/M

NOTE: 1. This loop will be used by the USA Contractor at JSC, KSC, and MSFC for USA contractor coordination of integration issues during real-time mission support to the Systems Engineering

and Integration Office.

SUPPLIER: MSFC AGENCY: MSFC/E060 (MARSHALL SPACE FLIGHT CENTER)

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 04/14/05

_____ ______

[PRD] DATABASE RECORD: 581788 REQUIREMENT STATUS: APPROVED APPROVAL DATE: 04/14/05 INITIAL DATE: 04/14/05 DOCUMENT ID: FLT-I

ITEM NUMBER: HT174K DATE LAST CHANGED: 08/29/06 SECTION: 2750 TIME LAST CHANGED: 14:19:15

JSC

REQUESTER: MSFC
SUBREQUESTER: JSC/MS2
TEST CODE: STSALL

1. DESCRIPTION: ETL ICE OIS 322 (DEBRIS INTEGRATION)

RESPONSIBLE AGENCY: KSC

REF CAP NOTE TERMINATION LOCATION

EXTEND TO JSC T/M т1 1 T/M1 EXTEND TO FR2

NOTE: 1. OIS 322 channel will be use by the ICE Team and DEBRIS

Integration.

SUPPLIER: KSC AGENCY: KSC/PH-B (KENNEDY SPACE CENTER)

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 04/14/05

PAGE SEQUENCE NUMBER: 56 FLS2750.030 CLASSIFICATION UNCLASSIFIED

REF UDS NR 225

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06

CONTINUED

[PRD] DATABASE RECORD: 581788

ITEM NUMBER: HT174K

[PRD] DATABASE RECORD: 581789 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 04/14/05 INITIAL DATE: 04/14/05 ITEM NUMBER: HT174.1T DATE LAST CHANGED: 08/29/06

SECTION: 2750 TIME LAST CHANGED: 14:19:50

REQUESTER: MSFC JSC

SUBREQUESTER: JSC/MS

TEST CODE: ALPHSE STSALL

1. DESCRIPTION: ETL ICE OIS 322 (DEBRIS INTEGRATION)

RESPONSIBLE AGENCY: JSC

REF CAP NOTE TERMINATION LOCATION

T1 T/M 1 JSC DISTRIBUTION

H2 T/M 1 EXTEND TO MSFC/HOSC

NOTE:1. OIS 322 channel will be use by the ICE TEAM and the DEBIS INTEGRATION.

SUPPLIER: JSC AGENCY: JSC/DV (JOHNSON SPACE CENTER)

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 06/13/05

 [PRD] DATABASE RECORD:
 581790
 REQUIREMENT STATUS:
 APPROVED

 DOCUMENT ID:
 FLT-I
 APPROVAL DATE:
 04/14/05

 INITIAL DATE:
 04/14/05

 ITEM NUMBER:
 H174.2H
 DATE LAST CHANGED:
 08/29/06

 SECTION:
 2750
 TIME LAST CHANGED:
 14:20:28

REQUESTER: MSFC

TEST CODE: ALPHSE STSALL

1. DESCRIPTION: ETL ICE OIS 322 (DEBRIS INTEGRATION)

RESPONSIBLE AGENCY: MSFC

REF CAP NOTE TERMINATION LOCATION

FLS2750.031 PAGE SEQUENCE NUMBER: 57 REF UDS NR 225

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06

CONTINUED

[PRD] DATABASE RECORD: 581790

ITEM NUMBER: H174.2H

T/M 1 HOSC DISTRIBUTION H1

NOTE: 1. OIS 322 channel will be use by the ICE TEAM and the DEBRIS

Integration.

SUPPLIER: MSFC AGENCY: MSFC/E060 (MARSHALL SPACE FLIGHT CENTER

RESPONDER: MIKE BLUM 256 544-5102

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 06/17/05

[PRD] DATABASE RECORD: 586018 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 01/27/06 INITIAL DATE: 01/27/06

ITEM NUMBER: T179.1H DATE LAST CHANGED: 01/27/06 TIME LAST CHANGED: 14:56:47 SECTION: 2750

REOUESTER:

JSC ALPHSE LAEORY LANDNG STSALL TEST CODE:

TRACKING NO. F06-01-2

1. DESCRIPTION: SSP LEAD ENGINEER

RESPONSIBLE AGENCY: MSFC

CAP TERMINATION LOCATION NOTE REF: ____ ____ T/MEXTEND TO HOSC T1

NOTE: 1. This loop will be operational from pre-tanking weather

briefing through Shuttle End of Mission (EOM) for Lead

Engineer/Chief Engineer discussions, during flight operations.

AGENCY: MSFC/E060 (MARSHALL SPACE FLIGHT CENTER SUPPLIER: MSFC)

RESPONDER: MIKE BLUM

RESPONSE DATE: 01/27/06 SUPPLIER COMMITMENT: WILCO

PAGE SEQUENCE NUMBER: 58 FLS2750.032

CLASSIFICATION UNCLASSIFIED

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06

[PRD] DATABASE RECORD: 586137 REQUIREMENT STATUS: APPROVED

DOCUMENT ID: FLT-I APPROVAL DATE: 02/10/06

INITIAL DATE: 02/10/06 ITEM NUMBER: HT180T DATE LAST CHANGED: 02/23/06

TIME LAST CHANGED: 13:06:01 SECTION: 2750

REQUESTER: MSFC
TEST CODE: ALPHSE STSALL
TRACKING NO. F06-02-1 JSC

1. DESCRIPTION: INTEGRATION TECH

RESPONSIBLE AGENCY: JSC

REF CAP TERMATION LOCATION NOTE ___ ---_____ T1 T/M EXTEND TO MER T/MMCC DISTRIBUTION T2 T/M EXTEND TO MSFC Н3

CONTACTS: JSC DV/KEN JONES/281 483-7671

MSFC/MP71/ SCOTT SCHUTZENHAFER/255 544-8496

SUPPLIER: JSC AGENCY: JSC/DV (JOHNSON SPACE CENTER)

RESPONDER: KEN JONES 281 483-7671

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 02/10/06

[PRD] DATABASE RECORD: 586138 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 02/10/06

INITIAL DATE: 02/10/06 ITEM NUMBER: H180.1H DATE LAST CHANGED: 02/23/06

TIME LAST CHANGED: 13:07:34 SECTION: 2750

REQUESTER: MSFC
TEST CODE: ALPHSE STSALL

TRACKING NO. F06-02-1

1. DESCRIPTION: INTEGRATION TECH

RESPONSIBLE AGENCY: MSFC

______ PAGE SEQUENCE NUMBER: 59 REF UDS NR 225 FLS2750.033

STS OPS FLIGHT PRD, VOLUME I
PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/
OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD)
PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06

CONTINUED

[PRD] DATABASE RECORD: 586138

ITEM NUMBER: H180.1H

REF CAP TERMINATION LOCATION NOTE

H1 T/M EXTEND TO HOSC

COM CONTACT: MSFC/MP71/SCOTT SCHUTZENHAFER/256 544-8496

SUPPLIER: MSFC AGENCY: MSFC/E060 (MARSHALL SPACE FLIGHT CENTER)

RESPONDER: MIKE BLUM 256 544-5102

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 02/23/06

[PRD] DATABASE RECORD: 588837 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 08/15/06
ITEM NUMBER: BHT181HKT DATE LAST CHANGED: 08/29/06
SECTION: 2750 TIME LAST CHANGED: 13:30:01

REQUESTER: GRC MSFC JSC

TEST CODE: LAEORB LANDNG MMT

TRACKING NO. F06-08-1

1. DESCRIPTION: GRC VOICE REQUIREMENT FOR MMT SUPPORT

RESPONSIBLE AGENCY: JSC/MSFC/KSC

Voice Loops will be configured on existing circuits from L-24 hours through ${\tt EOM}$ for Shuttle support.

CONFIGURATION FROM JSC TO GRC

NAME	CAP	FROM	TO	NOTE
STAFF ENG		—— JSC	 GRC via HOSC	1
FD 1	M	JSC	GRC via HOSC	1
A/G 1	M	JSC	GRC via HOSC	1
A/G 2	M	JSC	GRC via HOSC	1
SSPO	M	JSC	GRC via HOSC	1

FLS2750.034 PAGE SEQUENCE NUMBER: 60 REF UDS NR 225

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2750 - VOICE TERMINATIONS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06 ______

CONTINUED

[PRD] DATABASE RECORD: 588837 ITEM NUMBER: BHT181HKT

CONFIGURATION FROM KSC TO GRC

FROM TO NOTE NAME CAP _____ KSC GRC via HOSC 1 OIS 161

NOTE: 1. MSFC will extend the circuits to GRC in support of MMT contingency Sims and for STS Launch and Flight support.

SUPPLIER: MSFC AGENCY: MSFC/E060 (MARSHALL SPACE FLIGHT CENTER)

SUPPLIER COMMITMENT: NOACK RESPONSE DATE: 08/15/06

SUPPLIER: KSC AGENCY: KSC/PH-B (KENNEDY SPACE CENTER RESPONDER: RODERICK THORNTON JR. 321 867-2241

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 08/29/06

SUPPLIER: JSC AGENCY: JSC/DV (JOHNSON SPACE CENTER

RESPONDER: KEN JONES 281 483-7671

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 08/15/06

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2800 - VIDEO

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06

[PRD] DATABASE RECORD: 581722 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 04/13/05

INITIAL DATE: 04/13/05
ITEM NUMBER: TGH18K DATE LAST CHANGED: 08/11/06
SECTION: 2800 TIME LAST CHANGED: 09:46:44

REQUESTER: JSC GSFC MSFC

REQUESTER: JSC SUBREQUESTER: JSC/MT

TEST CODE: LAUNCH PREFLT STSALL

1. DESCRIPTION: ET TV VIDEO REQUIREMENT

KSC TV will distribute the analog ET TV in real-time to JSC, MSFC and GSFC via Earth Station or Portable Earth Station and up to the a commercial satellite transponder.

SUPPLIER: KSC AGENCY: KSC/PH-B (KENNEDY SPACE CENTER

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 04/13/05

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 2823 - VIDEO RECORDINGS

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06

[PRD] DATABASE RECORD: 581851 REQUIREMENT STATUS: APPROVED

DOCUMENT ID: FLT-I APPROVAL DATE: 04/18/05 INITIAL DATE: 04/18/05

HKT7EG ITEM NUMBER: DATE LAST CHANGED: 06/28/05 TIME LAST CHANGED: 14:37:37 SECTION: 2823

JSC

REQUESTER: MSFC KSC
TEST CODE: LAUNCH PREFLT STSALL

1. DESCRIPTION: ET TV DIGITAL RECORDING AND DISPOSITION

Wallops, MILA, PDL, and JDMTA are required to record the digital images compatible with wavelet based format used by KSC, JSC, and MSFC Image Analysis Labs. JDMTA will utilize the GSFC provided equipment for recording purposes. These recordings will be provided to KSC within 18 hours of liftoff. The hard drives image retrieval. Each station will retain a copy of the digital file until termination of the subsequent (next) STS mission or until released by the GSFC Network Director (ND). Transfer of digital images as electronic files via the KSCS/LAN interface from MILA and WLPS via the Premium IP (PIP) service. MILA and WLPS will provide the file transfer on a best-effort-basis as a proof of concept capability for subsequent flights.

SUPPLIER: ER AGENCY: 1 ROPS/DOU (45TH SPACE WING)

RESPONDER: DAVID P. BURCH

RESPONSE DATE: 06/27/05 SUPPLIER COMMITMENT: WILCO

SUPPLIER: GSFC AGENCY: GSFC/451 (GODDARD SPACE FLIGHT CENTER)

RESPONDER: ANTHONY WILLIAMS 301 805-3459

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 05/17/05

______ PAGE SEQUENCE NUMBER: 63 FLS2823.001 REF UDS NR 227

STS OPS FLIGHT PRD, VOLUME I PROGRAM REOUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 4200 - DATA DISPOSITION

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06

[PRD] DATABASE RECORD: 287663 REQUIREMENT STATUS: APPROVED DOCUMENT ID: FLT-I APPROVAL DATE: 02/18/97

INITIAL DATE: 02/08/90 ITEM NUMBER: G2EHKTX 4200 DATE LAST CHANGED: 11/22/05

TIME LAST CHANGED: 10:36:46 SECTION:

REQUESTER: GSFC
TEST CODE: ALPHSE DATADS EAFB ER

STSALL

F008-1 F02-09-3 F702-3 TRACKING NO.

1. DESCRIPTION: POINT-OF-CONTACT

The Johnson Space Center and other participating Centers are requested to identify and provide in the PRD Point-of-Contacts to which data handling questions and problems may be directed for resolution.

REFERENCE: LLS, SECTION 4200, ITEM G3HKTX, DBR 245384

SUPPLIER: ER SUBSUPPLIER: AGENCY: 1 ROPS/DOU (45TH SPACE WING)

ER

SUPPLIER COMMITMENT: WILCO SEE RESPONSE RESPONSE DATE: 02/24/97

RESPONSE: Point-of-Contact: Data Reduction/Analysis (321) 494-9767.

SUPPLIER: MSFC AGENCY: MSFC/E060 (MARSHALL SPACE FLIGHT CENTER)

SUPPLIER COMMITMENT: WILCO SEE RESPONSE RESPONSE DATE: 03/12/01

RESPONSE: Point-of-Contact: Philip Cauthen, MSFC/E060 (256) 544-4204

AGENCY: KSC/PH-B (KENNEDY SPACE CENTER SUPPLIER: KSC)

SUBSUPPLIER: I-PZ-B USK-610

SUPPLIER COMMITMENT: WILCO SEE RESPONSE RESPONSE DATE: 02/24/97

RESPONSE: Point of Contact: Dory Clanton/USK-610/ (321) 863-9451.

RESPONSE TRACKING: ZFR8302

______ PAGE SEQUENCE NUMBER: 64

STS OPS FLIGHT PRD, VOLUME I PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/ OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD) PROGRAM NUMBER: 20000

SECTION 4200 - DATA DISPOSITION

PUBLICATION DATE: 10/11/90 REVISION: 0000 RUN DATE: 09/11/06 ______

CONTINUED

[PRD] DATABASE RECORD: 287663

ITEM NUMBER: G2EHKTX

SUPPLIER: JSC AGENCY: JSC/DV (JOHNSON SPACE CENTER

SUPPLIER COMMITMENT: WILCO SEE RESPONSE RESPONSE DATE: 02/18/97

RESPONSE: Point-of-Contact: JSC/GC Office (281 483-6879)

SUPPLIER: DFRC AGENCY: DFRC/OS (DRYDEN FLIGHT RESEARCH CENTER)
SUBSUPPLIER: FR

SUPPLIER COMMITMENT: WILCO SEE RESPONSE RESPONSE DATE: 02/19/97

RESPONSE: Point-of-Contact: Jerry McKee/DFRC (661) 276-3245

REPORT BY: FORM=06 DOC=FLT-I ORREQ=H APV= APP ORSPL=H P1030=N